

HyperPlus 5e Plenum Rated Category 5e UTP

Berk-Tek's HYPER PLUS 5e Standard Category 5e UTP Cables are designed for horizontal network and voice applications in a structured cabling network to connect between the user outlet and horizontal cross-connect.

Description

Berk-Tek HyperPlus 5e, Performance Guaranteed

Your business demands continuous performance from your IT network, so our specifications aren't simply numbers on the page. They define the way that we do business. This means that you are **guaranteed** industry-leading performance and quality for all Berk-Tek products.

Some other manufacturers talk about "typical" values, at Berk-Tek, we hold ourselves to a higher standard. We won't talk about typicals, we talk about what is true, guaranteed, and independently verified.

Keep your business running by relying on Berk-Tek.

Perform Beyond Expectations... Choose Berk-Tek.

Construction

24 AWG bare copper wire insulated with thermoplastic. Two insulated conductors twisted together to form a pair and four such pairs cabled to form the basic unit, jacketed with flame-retardant PVC.

Flame Rating

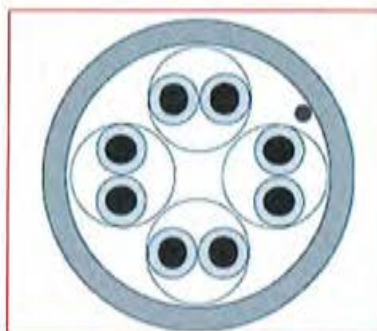
- Plenum - NFPA 262, CMP
- UL Listed

Features

- Supports most data and voice applications
- ETL Verified to TIA/EIA-568-C.2
- RoHS Compliant

Benefits

- Universally accepted design for global commercial network installations
- Simplified structured cabling solution preserving long-term network investment
- Characterized to 350 Mhz, 250 Mhz greater than the standard



Standards

International ISO/IEC 11801

National ANSI/TIA-568-C.2; UL 444

Characteristics

Construction characteristics

Type of cable UTP

Dimensional characteristics

Number of pairs 4

Usage characteristics

Field of application Indoor

Category Cat. 5e

HyperPlus 5e Plenum Rated Category 5e UTP

Usage characteristics

Fire safety

CMP - Plenum Rated

Product List

☎=Make to order, 📦=In stock

Part Number	Description	Colour	Length per reel (ft)	Packaging
📦 10032223	HyperPlus 5e Plenum	White	1000.0	Box
📦 10032221	HyperPlus 5e Plenum	White	1000.0	Reel in a box
📦 10032222	HyperPlus 5e Plenum	White	1000.0	Reel
📦 10033521	HyperPlus 5e Plenum	Black	1000.0	Box
📦 10033807	HyperPlus 5e Plenum	Black	1000.0	Reel
📦 10032229	HyperPlus 5e Plenum	Red	1000.0	Box
📦 10032228	HyperPlus 5e Plenum	Red	1000.0	Reel
📦 10060673	HyperPlus 5e Plenum	Red	1000.0	Reel in a box
📦 10032232	HyperPlus 5e Plenum	Green	1000.0	Box
📦 10032231	HyperPlus 5e Plenum	Green	1000.0	Reel
📦 10032230	HyperPlus 5e Plenum	Green	1000.0	Reel in a box
📦 10033814	HyperPlus 5e Plenum	Pink	1000.0	Box
📦 10034145	HyperPlus 5e Plenum	Pink	1000.0	Reel
📦 10032224	HyperPlus 5e Plenum	Pink	1000.0	Reel in a box
📦 10063926	HyperPlus 5e Plenum	Brown	1000.0	Box
📦 10032235	HyperPlus 5e Plenum	Yellow	1000.0	Box
📦 10032234	HyperPlus 5e Plenum	Yellow	1000.0	Reel
📦 10032233	HyperPlus 5e Plenum	Yellow	1000.0	Reel in a box
📦 10032227	HyperPlus 5e Plenum	Blue	1000.0	Box
📦 10032226	HyperPlus 5e Plenum	Blue	1000.0	Reel
📦 10032225	HyperPlus 5e Plenum	Blue	1000.0	Reel in a box
📦 10034885	HyperPlus 5e Plenum	Violet	1000.0	Box
📦 10035124	HyperPlus 5e Plenum	Violet	1000.0	Reel
📦 10032236	HyperPlus 5e Plenum	Orange	1000.0	Box
📦 10033516	HyperPlus 5e Plenum	Orange	1000.0	Reel
📦 10035018	HyperPlus 5e Plenum	Orange	1000.0	Reel in a box
📦 10032206	HyperPlus 5e Plenum	Grey	1000.0	Reel
📦 10032207	HyperPlus 5e Plenum	Grey	1000.0	Box
📦 10032205	HyperPlus 5e Plenum	Grey	1000.0	Reel in a box
📦 11074705	HyperPlus 5e Plenum 1500 ft. smartPAK	Blue	1500.0	Box
📦 11074746	HyperPlus 5e Plenum 1500 ft. smartPAK	White	1500.0	Box
📦 11074747	HyperPlus 5e Plenum 1500 ft. smartPAK	Grey	1500.0	Box

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HyperPlus 5e Plenum Rated Category 5e UTP

HyperPlus 5e Parametric Data: Electrical

FQ = Frequency (MHz) / TIA = TIA Spec / PG = Product Guarantee

FQ	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	LCL/TCL
	TIA / PG	TIA / PG	TIA / PG	TIA / PG	PG
1	20.00 / 20.00	65.30 / 66.30	62.30 / 62.30	63.80 / 63.80	40.00
4	23.00 / 23.00	56.30 / 57.30	53.30 / 53.30	51.80 / 51.70	40.00
10	25.00 / 25.00	50.30 / 51.30	47.30 / 47.30	43.80 / 43.80	40.00
16	25.00 / 25.00	47.20 / 48.30	44.20 / 44.30	39.70 / 39.70	38.00
20	25.00 / 25.00	45.80 / 46.80	42.80 / 42.80	37.80 / 37.70	37.00
31.25	23.60 / 24.30	42.90 / 43.90	39.90 / 39.90	33.90 / 33.90	35.10
62.5	21.50 / 21.50	38.40 / 39.40	35.40 / 35.40	27.90 / 27.80	32.00
100	20.10 / 20.10	35.30 / 36.30	32.30 / 32.30	23.80 / 23.80	30.00
150	— / 18.90*	— / 33.70*	— / 29.70*	— / —	28.20*
200	— / 18.00*	— / 31.80*	— / 27.80*	— / —	27.00*
250	— / 17.30*	— / 30.30*	— / 26.80*	— / —	26.00*
300	— / 16.80*	— / 29.20*	— / 25.20*	— / —	25.20*
350	— / 16.30*	— / 28.20*	— / 24.20*	— / —	24.60*
FQ	IL (dB/100 m)	ACR (dB/100 m)	PSACR (dB/100 m)	PSACRF (dB/100 m)	EL TCTL
	TIA / PG	TIA / PG	TIA / PG	TIA / PG	PG
1	2.00 / 2.00	63.30 / 64.30	60.30 / 60.30	60.80 / 60.80	35.00
4	4.10 / 4.10	52.20 / 53.20	49.20 / 49.20	48.80 / 48.70	23.00
10	6.50 / 6.50	43.80 / 44.80	40.80 / 40.80	40.80 / 40.80	15.00
16	8.20 / 8.20	39.00 / 40.00	36.00 / 36.00	36.70 / 36.70	10.90
20	9.30 / 9.30	36.50 / 37.50	33.50 / 33.50	34.80 / 34.80	9.00
31.25	11.70 / 11.70	31.20 / 32.20	28.20 / 28.20	30.90 / 30.90	5.10
62.50	17.00 / 17.00	21.40 / 22.40	18.40 / 18.40	24.90 / 24.80	—
100	22.00 / 22.00	13.30 / 14.30	10.30 / 10.30	20.80 / 20.80	—
150	— / 27.50*	— / 6.10*	— / 2.10*	— / —	—
200	— / 32.40*	— / -0.60*	— / -4.60*	— / —	—
250	— / 36.90*	— / -6.50*	— / -10.50*	— / —	—
300	— / 41.00*	— / -11.80*	— / -15.80*	— / —	—
350	— / 44.90*	— / -16.70*	— / -20.70*	— / —	—

*Values provided for reference only

HyperPlus 5e Plenum UTP Physical Data

Technical Data - Physical			Color Code		
Conductor	24 AWG Bare Copper		Pair-1	White/Blue	Blue
Conductor diameter - in. (mm)	0.020	(0.51)	Pair-2	White/Orange	Orange
Insulated conductor dia.-in.(mm)	0.038	(0.97)	Pair-3	White/Green	Green
Cable diameter - in. (mm)	0.21	(5.33)	Pair-4	White/Brown	Brown
Nom. cable wt.-lb./kft. (kg/kft)	24.8	(11.25)	Temperature Rating (degrees C)		
Max. installation tension - lb. (N)	25	(110)	Installation	0 to +50	
Min. bend radius - in. (mm)	1.00	(25.40)	Operation	-20 to +75	

HyperPlus 5e Plenum Technical Data - Parametric Measurements

Mutual Capacitance	5.2 nF/100 m max.	Pair to Ground Unbalance	330 pF/100 m max.
DC Resistance	9.38 Ohms/100 m max.	Velocity of Propagation	66% nom.
Skew	45 ns/100 m max.	DC Resistance unbalance	5% max.

HyperPlus 5e Plenum Rated Category 5e UTP

Supported Category 5e Applications

STANDARD	APPLICATION	SPEED
IEEE 802.3	1000BASE-T	1 Gb/s
ATM	155Mb/s	155 Mb/s
IEEE 802.3	100BASE-TX	100 Mb/s
CDDI		100 Mb/s
IEEE 802.3	10BASE-T	10 Mb/s

HyperPlus 5e UTP Plenum Jacket Legend

BERK-TEK HYPER-PLUS 24 AWG CMP 75C(UL)US ETL VERIFIED TIA-568-C.2 CAT 5E & ISO/IEC 11801 CAT 5 (ANY APPLICABLE PATENTS)
[DATECODE] [SEQ#] FT

Selling information

PLEASE NOTE: In the interest of product improvement, Berk-Tek, a Nexans company may make improvements or changes in the products, the programs or services described at any time without notice. Additionally, the information contained herein may include typographical errors or technical inaccuracies. Changes will be periodically made to address any such issues.

LANmark-6 Plenum Rated

The Berk-Tek LANmark-6 features a reduced diameter compared to other Category 6 UTP cables. This is an ANSI/TIA/EIA Category 6 verified cable, constructed without the center spline for easy installation and termination. LANmark-6 is capable of transmitting applications such as 1000BASE-T. It is ideal for network applications that extend to 250 MHz. LANmark-6 is available in both CMP and CMR and conforms to ANSI/TIA/EIA 568-B.2-1 Category 6 and ISO/IEC 11801 2nd Edition Class E Category 6 requirements.

Description

Berk-Tek LANmark-6 UTP, Performance Guaranteed

Before any cable can display the **Berk-Tek LANmark-6 UTP** legend, it must pass factory tests with a **minimum of 2dB of crosstalk margin beyond the CAT 6 standard for NEXT, PSNEXT, ACR and PSACR**. If the margin is missing, so is the legend. That is our guarantee to you.

Your business demands continuous performance from your IT network, so our specifications aren't simply numbers on the page. They define the way that we do business. This means that you are **guaranteed** industry-leading performance and quality for all Berk-Tek products.

Some other manufacturers talk about "typical" values, at Berk-Tek, we hold ourselves to a higher standard. We won't talk about typicals, we talk about what is true, guaranteed, and independently verified.

Based on Berk-Tek's advanced testing, LANmark-6 has a Converged Application Score (CA Score) of 6.4 and is recommended for short-term installations, basic desktop and phone applications, and a low density of connected devices. For more information on CA Score, please click [here](#).

Perform Beyond Expectations... Choose Berk-Tek

Construction: 24 AWG bare copper wire insulated with FEP. Two insulated conductors twisted together to form a pair and four such pairs cabled to form the basic unit, jacketed with flame-retardant PVC.

Flame Rating: Plenum -NFPA 262, CMP

Features

- Inexpensive compact design
- Meets the requirements of ANSI/TIA/EIA-568-C.2
- Characterized to 500 MHz, 250 MHz greater than the standard
- Delivered in compact, strong, easy to identify boxes
- RoHS Compliant

Benefits

- Provides Category 6 performance
- Cost effective Category 6 solution
- Provides additional usable bandwidth required for future applications
- Superior box design allows cable to be pulled easily from the box with minimum kinking
- Compact box design takes up less shelf space.
- Clearly identified packaging eliminates potential confusion



Standards

International ISO/IEC 11801

National ANSI/TIA-568-C.2; UL 444

LANmark-6 Plenum Rated

Characteristics

Construction characteristics	
Type of cable	UTP
Dimensional characteristics	
Number of pairs	4
Usage characteristics	
Field of application	Indoor
Category	Cat. 6
Fire safety	CMP - Plenum Rated

Product List

☎=Make to order, 📦=In stock

Part Number	Description	Colour	Length per reel (ft)	Packaging
☎ 10136231	LANmark-6 UTP Plenum	Light grey	1000.0	Reel
☎ 10132983	LANmark-6 UTP Plenum	Light grey	1000.0	Box
📦 10136233	LANmark-6 UTP Plenum	Blue	1000.0	Reel
📦 10136226	LANmark-6 UTP Plenum	Blue	1000.0	Box
📦 10136265	LANmark-6 UTP Plenum	White	1000.0	Reel
📦 10136230	LANmark-6 UTP Plenum	White	1000.0	Box
📦 10136749	LANmark-6 UTP Plenum	Yellow	1000.0	Box
📦 10136751	LANmark-6 UTP Plenum	Yellow	1000.0	Reel
☎ 10137364	LANmark-6 UTP Plenum	Violet	1000.0	Box
☎ 10177147	LANmark-6 UTP Plenum	Pink	1000.0	Reel
📦 10136748	LANmark-6 UTP Plenum	Green	1000.0	Box
📦 10136750	LANmark-6 UTP Plenum	Green	1000.0	Reel
☎ 10137365	LANmark-6 UTP Plenum	Red	1000.0	Box
☎ 10141073	LANmark-6 UTP Plenum	Orange	1000.0	Box
☎ 10188830	LANmark-6 UTP Plenum	Black	1000.0	Box
☎ 10188807	LANmark-6 UTP Plenum	Black	1000.0	Reel
☎ 11049196	LANmark-6 UTP Plenum	Pink	1000.0	Box
☎ 11060822	LANmark-6 UTP Plenum	Brown	1000.0	Box
📦 11091284	LANmark-6 UTP Plenum	Dark grey	1000.0	Reel
📦 11091258	LANmark-6 UTP Plenum	Dark grey	1000.0	Box
📦 11074702	LANmark-6 UTP Plenum 1500 ft. smartPAK	Blue	1500.0	Box
📦 11074742	LANmark-6 UTP Plenum 1500 ft. smartPAK	White	1500.0	Box
☎ 11074743	LANmark-6 UTP Plenum 1500 ft. smartPAK	Light grey	1500.0	Box
📦 11074893	LANmark-6 UTP Plenum 1500 ft. smartPAK	Yellow	1500.0	Box
📦 11074897	LANmark-6 UTP Plenum 1500 ft. smartPAK	Green	1500.0	Box
☎ 11078191	LANmark-6 UTP Plenum 1500 ft. smartPAK	Pink	1500.0	Box
☎ 11074898	LANmark-6 UTP Plenum 1500 ft. smartPAK	Red	1500.0	Box
☎ 11074903	LANmark-6 UTP Plenum 1500 ft. smartPAK	Black	1500.0	Box
☎ 11074904	LANmark-6 UTP Plenum 1500 ft. smartPAK	Violet	1500.0	Box
☎ 11074905	LANmark-6 UTP Plenum 1500 ft. smartPAK	Orange	1500.0	Box
📦 11094952	LANmark-6 UTP Plenum 1500 ft. smartPAK	Dark grey	1500.0	Box

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LANmark-6 Plenum Rated

LANmark-6 Parametric Data: Electrical

FQ = Frequency (MHz) / TIA = TIA Spec / PG = Product Guarantee

	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	LCL/TCL
FQ	TIA / PG	TIA / PG	TIA / PG	TIA / PG	PG
1	20.00 / 20.00	74.30 / 76.30	72.30 / 74.30	67.80 / 67.80	40.00
4	23.00 / 23.00	65.30 / 67.30	63.30 / 65.30	55.80 / 55.80	40.00
10	25.00 / 25.00	59.30 / 61.30	57.30 / 59.30	47.80 / 47.80	40.00
16	25.00 / 25.00	56.20 / 58.30	54.20 / 56.30	43.70 / 43.70	38.00
20	25.00 / 25.00	54.80 / 56.80	41.80 / 54.80	41.80 / 41.80	37.00
31.25	23.60 / 23.60	51.90 / 53.90	49.90 / 51.90	37.90 / 37.90	35.10
62.5	21.50 / 21.50	47.40 / 49.40	45.40 / 47.40	31.90 / 31.90	32.00
100	20.10 / 20.10	44.30 / 46.30	42.30 / 44.30	27.80 / 27.80	30.00
150	18.90 / 18.90	41.70 / 43.70	39.70 / 41.70	24.30 / 24.30	28.20
200	18.00 / 18.00	39.80 / 41.80	37.80 / 39.80	21.80 / 21.70	27.00
250	17.30 / 17.30	38.30 / 40.30	36.30 / 38.30	19.80 / 19.80	26.00
300	— / 16.80*	— / 39.10*	— / 37.10*	— / 18.30*	25.20
350	— / 16.30*	— / 38.20*	— / 36.20*	— / 16.90*	24.60*
400	— / 15.90*	— / 37.30*	— / 35.30*	— / 15.80*	24.00*
450	— / 15.50*	— / 36.50*	— / 34.50*	— / 14.70*	23.50*
500	— / 15.20*	— / 35.80*	— / 33.80*	— / 13.80*	23.00*
	IL (dB/100 m)	ACR (dB/100 m)	PSACR (dB/100 m)	PSACRF (dB/100 m)	EL TCTL
FQ	TIA / PG	TIA / PG	TIA / PG	TIA / PG	PG
1	2.00 / 2.00	72.20 / 74.30	70.30 / 72.30	64.80 / 64.80	35.00
4	3.80 / 3.80	61.50 / 63.50	59.50 / 61.50	52.80 / 52.80	23.00
10	6.00 / 6.00	53.40 / 55.40	51.30 / 53.40	44.80 / 44.80	15.00
16	7.60 / 7.60	48.80 / 50.70	46.70 / 48.70	40.70 / 40.70	10.90
20	8.50 / 8.50	46.40 / 48.40	44.30 / 46.40	38.80 / 38.80	9.00
31.25	10.70 / 10.70	41.40 / 43.30	39.20 / 41.30	37.90 / 34.90	—
62.50	15.40 / 15.40	32.40 / 34.00	30.00 / 32.00	28.90 / 28.90	—
100	19.80 / 19.80	25.20 / 26.60	22.50 / 24.60	24.80 / 24.80	—
150	24.70 / 24.60	16.90 / 19.10	14.90 / 17.10	21.30 / 21.30	—
200	29.00 / 29.00	10.80 / 12.90	8.80 / 10.90	18.80 / 18.70	—
250	32.80 / 32.80	7.30 / 7.50	3.50 / 5.50	16.80 / 16.80	—
300	— / 36.40*	— / 2.70*	— / —	— / 15.30*	—
350	— / 39.80*	— / -1.60*	— / —	13.90 / 13.90*	—
400	— / 43.00*	— / -5.70*	— / —	12.80 / 12.80*	—
450	— / 46.00*	— / -9.50*	— / —	— / 11.70*	—
500	— / 48.90*	— / -13.10*	— / —	10.80 / 10.80*	—

*Values provided for reference only

LANmark-6 Plenum UTP Physical Data

Technical Data - Physical		
Conductor	24 AWG Bare Copper	
Conductor diameter - in. (mm)	0.022	(0.58)
Insulated conductor dia.-in.(mm)	0.041	(1.04)
Cable diameter - in. (mm)	0.22	(5.58)
Nom. cable wt.-lb./kft. (kg/kft)	27	(12.25)
Max. installation tension - lb. (N)	25	(110)
Min. bend radius - in. (mm)	1.00	(25.40)

Color Code		
Pair-1	White/Blue	Blue
Pair-2	White/Orange	Orange
Pair-3	White/Green	Green
Pair-4	White/Brown	Brown
Temperature Rating (degrees C)		
Installation	0 to +50	
Operation	-20 to +75	

LANmark-6 Plenum Rated

LANmark-6 Plenum Technical Data - Parametric Measurements

Mutual Capacitance	5.2 nF/100 m max.	Pair to Ground Unbalance	330 pF/100 m max.
DC Resistance	9.38 Ohms/100 m max.	Velocity of Propagation	67% nom.
Skew	45 ns/100 m max.	DC Resistance unbalance	5% max.

LANmark-6 Converged Application Score

A cable's Converged Application Score (CA Score) is an indicator of how well IP traffic is protected and how much heat rise there is when the cable undergoes PoE testing. The score is represented by a numeric value between 1 and 10, with 1 being the lowest and 10 being the highest. In reality, a score of 1 is unattainable because it would represent no connection, as is a score of 10 because it would mean zero heat rise with high power PoE. CA Scores range between 2 and 9.

LANmark-6

CA Score	Score	> 3.6	3.6 - 5.5	5.6 - 6.5	6.6 - 7.5	7.6 - 8.5	8.6 +
	Performance	Unacceptable	Poor	Limited	Good	Better	Best
	Heat Rise	Severe	Significant	Moderate	Moderate	Moderate	Low

What does the CA Score tell you? A performance rating of "Poor" (less than 3.6) means that there were consistent noticeable flaws (dropped frames, media loss, etc) in the applications tested. As you move towards higher performance scores, you would notice fewer and fewer flaws, until you reach a score of 9, which is almost flawless. PoE testing is also an important factor; cables that experienced less temperature rise achieve higher CA Scores.

Supported Category 6 Applications

STANDARD	APPLICATION	SPEED
IEEE 802.3	1000BASE-T	1 Gb/s
TIA/EIA-854	1000BASE-TX	1 Gb/s
ATM	155Mb/s	155 Mb/s
IEEE 802.3	100BASE-TX	100 Mb/s
CDDI		100 Mb/s
IEEE 802.3	10BASE-T	10 Mb/s
IEEE 802.3 af	PoE	1 Gb/s
IEEE 802.3 at	PoE+, Type 1 & 2	1 Gb/s

LANmark-6 UTP Plenum Jacket Legend

BERK-TEK LANMARK-6 24 AWG CMP 75C G(UL)US ETL VERIFIED TIA-568-C.2 CAT 6 [ANY APPLICABLE PATENTS] [DATECODE] [SEQ#] FT

Selling information

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SST Cat 6A UTP Riser Cable

APPLICATION

Leviton SST is the highest-performing Cat 6A UTP cable, and the best choice for high-bandwidth mission-critical applications such as Wi-Fi 5/6 access points, medical imaging technology, financial/trading platforms, and ultra-high-definition 4K video. SST offers unmatched assurance of network performance with superior signal isolation and excellent high-PoE performance. A specially designed isolation wrap provides superior heat management and noise-canceling performance.



BENEFITS

- Unmatched assurance of network performance
- Capable of supporting network operation in adverse real-world conditions
- High-density bundles guaranteed to support 10 Gigabit Ethernet applications
- Worry-free PoE performance and virtually unlimited bundle size and tray fill

FEATURES

- Small 0.275" (6.99 mm) diameter
- 10 dB of Alien Crosstalk margin (best in class)
- 4 dB Far End Attenuation to Crosstalk Ratio (ACRF) and Power Sum ACR (PSACRF) Margins (key indicator of internal noise immunity and the signal to noise ratio)
- Listing temperature up to 75 °C
- Performance beyond standard are independently verified by ETL in the Leviton Verified Performance program
- Premier Cat 6A performance margins with Leviton's ATLAS-X1™ connectivity
- Max cable bundle size for PoE (100 W) is 480 cables

STANDARDS & REGULATIONS

- ANSI/TIA 568.2-D
- CSA C22.2 N° 214-02
- IEEE 802.3bt PoE Type 1, 2, 3, 4 (90 watts max)
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)
- UL 444
- RoHS Compliant

FIRE RATING

- Riser - NFPA 70
- CMR - Riser Rated
- UL Listed as CMR-LP (0.5A)

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

PRODUCT SPECIFICATIONS

SST Cat 6A UTP Riser Cable

TECHNICAL SPECIFICATIONS

Mechanical Properties

Min. bending radius	1.25 inches (31.75 mm)
Max. installation tension	25 lb. (110 N)
Nominal cable weight	34 lb./kft (51 kg/km)

Usage Characteristics

Field of application	Indoor
Category	Cat. 6A
Temperature (Installation):	+5 °C to +50 °C
Temperature (Operating):	-20 °C to +60 °C
Temperature (Storage):	-20 °C to +60 °C
Listed cable temp.	+75 °C

Electrical Properties (-20 °C ± 5 °C)

DC resistance	Max. 9.38 Ω/100 m max.
DC resistance unbalance	Max. 5% at +20 °C
Mutual capacitance	Nom. 5.1 nf/100 m at 1 kHz
Pair-to-ground unbalance	330 pf/100 m max.
Nominal velocity of propagation	67%
Delay skew	45 ns/100 m

CHARACTERISTICS

Physical Properties

Length per reel	1000 feet	
Conductor	Bare copper wire	23 AWG
Conductor diameter	0.022 inches (0.56 mm)	
Insulation	Isolation wrap	Ø 0.047 inches (1.19 mm)
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: White/Blue 2: White/Orange 3: White/Green 4: White/Brown	
Number of pairs	4 pairs	
Type of cable	UTP with Isolation Wrap	
Outer diameter	0.275 inches (6.99 mm) OD	

PRODUCT SPECIFICATIONS
SST Cat 6A UTP Riser Cable

GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS										
Freq.	RL (dB)		NEXT (dB)		PS NEXT (dB)		ACR (dB/100 m)*		PSACR (dB/100 m)*	
MHz	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee
1	20.0	20.0	74.3	74.3	72.3	72.3	72.2	72.2	70.2	70.2
4	23.0	23.0	65.3	65.3	63.3	63.3	61.5	61.5	59.5	59.5
10	25.0	25.0	59.3	59.3	57.3	57.3	53.4	53.4	51.4	51.4
16	25.0	25.0	56.2	56.2	54.2	54.3	48.8	48.8	46.8	46.8
20	25.0	25.0	54.8	54.8	52.8	52.8	46.4	46.4	44.4	44.4
31.25	23.6	23.6	51.9	51.9	49.9	49.9	41.4	41.4	39.4	39.4
62.5	21.5	21.5	47.4	47.4	45.4	45.4	32.4	32.4	30.4	30.4
100	20.1	20.1	44.3	44.3	42.3	42.3	25.2	25.2	23.2	23.2
250	17.3	17.3	38.3	38.3	36.3	36.3	7.3	7.3	5.3	5.3
350	16.3	16.3	36.1	36.1	34.1	34.1	-1.1	-1.1	-3.1	-3.1
400	15.9	15.9	35.3	35.3	33.3	33.3	-4.8	-4.8	-6.8	-6.8
500	15.2	15.2	33.8	33.8	31.8	31.8	-11.4	-11.4	-13.4	-13.4
600**	—	14.7	—	32.6	—	30.6	—	-17.4	—	-19.4
750**	—	14.0	—	31.2	—	29.2	—	-25.5	—	-27.4

*Values for ACR and PSACR are provided as calculations. PSACR is guaranteed to 300 MHz. **SST is guaranteed between 1 MHz and 500 MHz. Values above 500 MHz are for reference only.

GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS, CONTINUED												
Freq.	IL (dB/100 m)		ACRF (dB/100 m)		PSACRF (dB/100 m)		PSANEXT (dB)		PSAACRF (dB)		LCL/TCL (dB)	EL TCTL (dB)
MHz	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	Product Guarantee	Product Guarantee
1	2.1	2.1	67.8	71.8	64.8	68.8	67.0	77.0	67.0	77.0	50.0	35.0
4	3.8	3.8	55.8	59.8	52.8	56.8	67.0	77.0	66.2	76.2	44.0	23.0
10	5.9	5.9	47.8	51.8	44.8	48.8	67.0	77.0	58.2	68.2	40.0	15.0
16	7.5	7.5	43.7	47.7	40.7	44.7	67.0	77.0	54.1	64.1	38.0	10.9
20	8.4	8.4	41.8	45.8	38.8	42.8	67.0	77.0	52.2	62.2	37.0	9.0
31.25	10.5	10.5	37.9	41.9	34.9	38.9	67.0	77.0	48.3	58.3	35.1	—
62.5	15.0	15.0	31.9	35.9	28.9	32.9	65.6	75.6	42.3	52.3	32.0	—
100	19.1	19.1	27.8	31.8	24.8	28.8	62.5	72.5	38.2	48.2	30.0	—
250	31.1	31.1	19.8	23.8	16.8	20.8	56.5	66.5	30.2	40.2	26.0	—
350	37.2	37.2	16.9	20.9	13.9	17.9	54.3	64.3	27.3	37.3	24.6	—
400	40.1	40.1	15.8	19.8	12.8	16.8	53.5	63.5	26.2	36.2	24.0	—
500	45.3	45.3	13.8	17.8	10.8	14.8	52.0	62.0	24.2	34.2	23.0	—
600**	—	50.1	—	16.2	—	13.2	—	60.8	—	32.6	22.2	—
750**	—	56.7	—	14.3	—	11.3	—	59.4	—	30.7	21.2	—

**SST is guaranteed between 1 MHz and 500 MHz. Values above 500 MHz are for reference only.

PRODUCT SPECIFICATIONS

SST Cat 6A UTP Riser Cable



Cat 6A UTP Riser Cable

PART NUMBERS				
Description	Color	Packaging	Field Application	Part No.
SST UTP Riser Category 6A	Blue	Reel	Indoor	11104157
SST UTP Riser Category 6A	Orange	Reel	Indoor	11140416
SST UTP Riser Category 6A	Yellow	Reel	Indoor	11140411
SST UTP Riser Category 6A	Red	Reel	Indoor	11140413
SST UTP Riser Category 6A	Dark gray	Reel	Indoor	11140410
SST UTP Riser Category 6A	Green	Reel	Indoor	11140412
SST UTP Riser Category 6A	Black	Reel	Indoor	11140414
SST UTP Riser Category 6A	Violet	Reel	Indoor	11140415
SST UTP Riser Category 6A	White	Reel	Indoor	11140409
SST UTP Riser Category 6A	Blue	Reel in a box	Indoor	11140639
SST UTP Riser Category 6A	Orange	Reel in a box	Indoor	11140647
SST UTP Riser Category 6A	Yellow	Reel in a box	Indoor	11140642
SST UTP Riser Category 6A	Red	Reel in a box	Indoor	11140644
SST UTP Riser Category 6A	Dark gray	Reel in a box	Indoor	11140641
SST UTP Riser Category 6A	Green	Reel in a box	Indoor	11140643
SST UTP Riser Category 6A	Black	Reel in a box	Indoor	11140645
SST UTP Riser Category 6A	Violet	Reel in a box	Indoor	11140646
SST UTP Riser Category 6A	White	Reel in a box	Indoor	11140640

PRINT LEGEND:

LEVITON SST UTP 23 AWG CMR 75C C(ETL)US CMR-LP (0.5A) ETL VERIFIED TIA-568.2-D CAT 6A [DATE] [COUNTER] [UID]

For further support information, visit leviton.com/ns/support

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SST Cat 6A UTP Plenum Cable

APPLICATION

Leviton SST is the highest-performing Cat 6A UTP cable, and the best choice for high-bandwidth mission-critical applications such as Wi-Fi 5/6 access points, medical imaging technology, financial/trading platforms and ultra-high-definition 4K video. SST offers unmatched assurance of network performance with superior signal isolation and excellent high-PoE performance. A specially designed isolation wrap provides superior heat management and noise-canceling performance, preventing electrical energy from transferring between cables while eliminating the need for grounding.



BENEFITS

- Unmatched assurance of network performance
- Capable of supporting network operation in adverse real-world conditions
- High-density bundles guaranteed to support 10 Gigabit Ethernet applications
- Worry-free PoE performance and virtually unlimited bundle size and tray fill

FEATURES

- Small 0.25" (6.35 mm) diameter
- 10 dB of Alien Crosstalk margin (best in class)
- 4 dB Far End Attenuation to Crosstalk Ratio (ACRF) and Power Sum ACR (PSACRF) Margins (key indicator of internal noise immunity and the signal to noise ratio)
- Listing temperature up to 105 °C
- Made with Leviton's advanced FLX-1™ technology for maximum flexibility, tighter bend radius and smoother pulls
- Performance beyond standard are independently verified by ETL in the Leviton Verified Performance program
- Premier Cat 6A performance margins with Leviton's ATLAS-X1™ connectivity
- Max cable bundle size for PoE (100 W) is 720 cables

STANDARDS & REGULATIONS

- ANSI/TIA 568.2-D
- CSA C22.2 N° 214-02
- IEEE 802.3bt PoE Type 1 (15.4 watts, formerly 802.3af) Type 2 (30 watts, formerly 802.3at), Type 3 (60 watts), Type 4 (90 watts)
- Cisco UPOE (60 watts), UPOE+ (90 watts), Power over HDBaseT™ PoH (95 watts)
- UL 444
- RoHS Compliant

FIRE RATING

- Plenum - NFPA 70
- CMP - Plenum Rated
- ETL Listed as CMP-LP (0.7A)

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

SST Cat 6A UTP Plenum Cable

TECHNICAL SPECIFICATIONS	
Mechanical Properties	
Min. bending radius	1.0 inches (25.4 mm)
Max. installation tension	25 lb. (110 N)
Nominal cable weight	33 lb./kft (49 kg/km)
Usage Characteristics	
Field of application	Indoor
Category	Cat. 6A
Recommended installation temp. range	+5 °C to +50 °C
Recommended operating temp. range	-20 °C to +60 °C
Listed cable temp.	+105 °C
Electrical Properties (-20 °C ± 5 °C)	
DC resistance	Max. 9.38 Ω/100 m max.
DC resistance unbalance	Max. 5% at +20 °C
Mutual capacitance	Nom. 5.1 nf/100 m at 1 kHz
Pair-to-ground unbalance	330 pf/100 m max.
Nominal velocity of propagation	70%
Delay skew	45 ns/100 m

CHARACTERISTICS		
Physical Properties		
Length per reel	1000 feet	
Conductor	Bare copper wire	23 AWG
Conductor diameter	0.025 inches (0.064 mm)	
Insulation	Metallic isolation wrap	Ø 0.042 inches (1.07 mm)
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: White/Blue 2: White/Orange 3: White/Green 4: White/Brown	
Number of pairs	4 pairs	
Type of cable	UTP	
Outer diameter	0.25 inches (6.35 mm) OD	

SST Cat 6A UTP Plenum Cable

GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS										
Freq. MHz	RL (dB)		NEXT (dB)		PS NEXT (dB)		ACR (dB/100 m)*		PSACR (dB/100 m)*	
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee
1	20.0	20.0	74.3	74.3	72.3	72.3	72.2	72.2	70.2	75.3
4	23.0	23.0	65.3	65.3	63.3	63.3	61.5	61.5	59.5	59.5
10	25.0	25.0	59.3	59.3	57.3	57.3	53.4	53.4	51.4	51.4
16	25.0	25.0	56.2	56.2	54.2	54.3	48.8	48.8	46.8	46.8
20	25.0	25.0	54.8	54.8	52.8	52.8	46.4	46.4	44.4	44.4
31.25	23.6	23.6	51.9	51.9	49.9	49.9	41.4	41.4	39.4	39.4
62.5	21.5	21.5	47.4	47.4	45.4	45.4	32.4	32.4	30.4	30.4
100	20.1	20.1	44.3	44.3	42.3	47.3	25.2	25.2	23.2	23.2
250	17.3	17.3	38.3	38.3	36.3	36.3	7.3	7.3	5.3	5.3
350	16.3	16.3	36.1	36.1	34.1	34.2	-1.1	-1.1	-3.1	-3.1
400	15.9	15.9	35.3	35.3	33.3	33.3	-4.8	-4.8	-6.8	-6.8
500	15.2	15.2	33.8	33.8	31.8	31.8	-11.4	-11.4	-13.4	-13.4
600**	—	14.7	—	32.6	—	30.6	—	—	—	—
750**	—	14.0	—	31.2	—	29.2	—	—	—	—

*Values for ACR and PSACR are provided as calculations. PSACR is guaranteed to 300 MHz. **SST is guaranteed between 1 MHz and 500 MHz. Values above 500 MHz are for reference only.

GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS, CONTINUED												
Freq. MHz	IL (dB/100 m)		ACRF (dB/100 m)		PSACRF (dB/100 m)		PSANEXT (dB)		PSAACRF (dB)		LCL/TCL (dB)	EL TCTL (dB)
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	Product Guarantee	Product Guarantee
1	2.1	2.1	67.8	71.8	64.8	68.8	67.0	77.0	67.0	77.0	50.0	35.0
4	3.8	3.8	55.8	59.8	52.8	56.8	67.0	77.0	66.2	76.2	44.0	23.0
10	5.9	5.9	47.8	51.8	44.8	48.8	67.0	77.0	58.2	68.2	40.0	15.0
16	7.5	7.5	43.7	47.7	40.7	44.7	67.0	77.0	54.1	64.1	38.0	10.9
20	8.4	8.4	41.8	45.8	38.8	42.8	67.0	77.0	52.2	62.2	37.0	9.0
31.25	10.5	10.5	37.9	41.9	34.9	38.9	67.0	77.0	48.3	58.3	35.1	—
62.5	15.0	15.0	31.9	35.9	28.9	32.9	65.6	75.6	42.3	52.3	32.0	—
100	19.1	19.1	27.8	31.8	24.8	28.8	62.5	72.5	38.2	48.2	30.0	—
250	31.1	31.1	19.8	23.8	16.8	20.8	56.5	66.5	30.2	40.2	26.0	—
350	37.2	37.2	16.9	20.9	13.9	17.9	54.3	64.5	27.3	37.3	24.6	—
400	40.1	40.1	15.8	19.8	12.8	16.8	53.5	63.5	26.2	36.2	24.0	—
500	45.3	45.3	13.8	17.8	10.8	14.8	52.0	62.0	24.2	34.2	23.0	—
600**	—	50.1	—	16.2	—	13.2	—	60.8	—	32.6	22.2	—
750**	—	56.7	—	14.3	—	11.3	—	59.4	—	30.7	21.2	—

**SST is guaranteed between 1 MHz and 500 MHz. Values above 500 MHz are for reference only.

PRODUCT SPECIFICATIONS

SST Cat 6A UTP Plenum Cable



Cat 6A UTP Plenum Cable

PART NUMBERS				
Description	Color	Packaging	Field Application	Part No.
SST UTP Plenum Category 6A	Blue	Reel	Indoor	11101842
SST UTP Plenum Category 6A	White	Reel	Indoor	11140401
SST UTP Plenum Category 6A	Dark gray	Reel	Indoor	11140402
SST UTP Plenum Category 6A	Yellow	Reel	Indoor	11140403
SST UTP Plenum Category 6A	Green	Reel	Indoor	11140404
SST UTP Plenum Category 6A	Black	Reel	Indoor	11140406
SST UTP Plenum Category 6A	Violet	Reel	Indoor	11140407
SST UTP Plenum Category 6A	Orange	Reel	Indoor	11140408
SST UTP Plenum Category 6A	Red	Reel	Indoor	11140405
SST UTP Plenum Category 6A	Blue	Reel in a box	Indoor	11140627
SST UTP Plenum Category 6A	White	Reel in a box	Indoor	11140628
SST UTP Plenum Category 6A	Dark gray	Reel in a box	Indoor	11140629
SST UTP Plenum Category 6A	Yellow	Reel in a box	Indoor	11140630
SST UTP Plenum Category 6A	Green	Reel in a box	Indoor	11140631
SST UTP Plenum Category 6A	Black	Reel in a box	Indoor	11140633
SST UTP Plenum Category 6A	Violet	Reel in a box	Indoor	11140634
SST UTP Plenum Category 6A	Orange	Reel in a box	Indoor	11140635
SST UTP Plenum Category 6A	Red	Reel in a box	Indoor	11140632

PRINT LEGEND:

LEVITON SST UTP 23 AWG CMP 105C C(ETL)US CMP-LP (0.7A) ETL VERIFIED TIA-568.2-D CAT 6A [DATE] [COUNTER] [UID]

For further support information, visit leviton.com/ns/support

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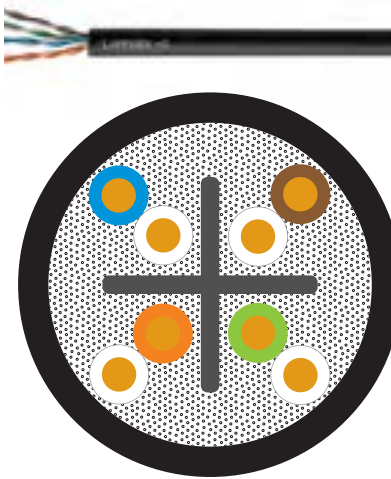
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LANMARK™-6 Cat 6 OSP Cable

APPLICATION

Leviton's LANMARK-6 OSP (Outside Plant) standard Cat 6 UTP cables are designed for outside applications, either aerial or buried in conduit or duct, where building to building interconnections must be made. Can be used to interconnect buildings or can be run beneath a slab in duct or conduit. LANMARK-6 UTP cable is intended for high-speed data applications.



BENEFITS

- Can be used to interconnect buildings or can be run beneath a slab in duct or conduit
- Simplified structured cabling solution preserving long-term network investment
- Warranted, trouble-free cabling installation and maintenance
- Meets NEC requirement for wet locations

FEATURES

- Fully water blocked
- 23 AWG bare copper wire insulated with thermoplastic
- Two insulated conductors twisted together to form a pair and four such pairs laid up with cross filler to form the basic unit
- Cable injected with a water resistant flooding compound and jacketed with UV weather resistant thermoplastic jacket

STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D Cat 6
- ANSI/ICEA 5-107-704-2012, PAR 8.2.1
- ISO/IEC 11801
- IEEE 802.3 PoE Type 1, 2, 3, 4 (100 watts max)
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)

FIRE RATING

Unlisted

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

PRODUCT SPECIFICATIONS

LANMARK™-6 Cat 6 OSP Cable

TECHNICAL SPECIFICATIONS

Electrical properties (20 °C ± 5 °C)

DC resistance	Max. 9.38 Ω/100 m
DC resistance unbalance	Max. 5%
Mutual capacitance	Nom. 5.6 nf/100 m at 1 kHz
Capacitance unbalance (pair-to-ground)	Max. 330 pf/100 m at 1 kHz
Delay skew	45 ns/100 m max.
Velocity of propagation	65%

CHARACTERISTICS

Dimensional Characteristics

Length per reel	1000 ft (305 m)
Number of pairs	4

Usage Characteristics

Category	Cat 6
Type of cable	UTP
Temperature (Storage):	-40 °C to +60 °C (-40 °F to +140 °F)
Temperature (Installation):	-10 °C to +50 °C (+14 °F to +122 °F)
Temperature (Operating):	-40 °C to +60 °C (-40°F to +140 °F)

HIGH SPEED DATA AND POWER APPLICATIONS

IEEE 802.3	2.5/5GBASE-T (2.5/5 Gb/s), 1000BASE-T (1 Gb/s), 100BASE-TX (100 Mb/s), 10BASE-T (10 Mb/s)
IEEE 802.3	PoE Types 1, 2, 3, and 4

TECHNICAL DATA - PHYSICAL

Conductor	23 AWG bare copper	
Max conductor diameter - in. (mm)	0.022	(0.56)
Max insulated conductor diameter - in. (mm)	0.04	(1.02)
Nom. cable diameter - in. (mm)	0.250	(6.35)
Nom. cable weight - lb./kft (kg/km)	31	(46)
Max. installation tension - lb. (N)	25	(110)
Min. bend radius - in. (mm)	1.00	(25.4)

COLOR CODE

Pair-1	White	Blue
Pair-2	White	Orange
Pair-3	White	Green
Pair-4	White	Brown

GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS

Freq. MHz	RL (dB)		NEXT (dB)		PSNEXT (dB)		ACR** (dB/100 m)		PSACR† (dB/100 m)	
	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee
1	20.0	20.0	74.3	74.3	72.3	72.3	72.3	72.3	70.3	70.3
4	23.0	23.0	65.3	65.3	63.3	63.3	61.5	61.5	59.5	59.5
10	25.0	25.0	59.3	59.3	57.3	57.3	53.3	53.3	51.3	51.3
16	25.0	25.0	56.2	56.2	54.2	54.2	48.7	48.7	46.7	46.7
20	25.0	25.0	54.8	54.8	52.8	52.8	46.3	46.3	44.3	44.3
31.25	23.6	23.6	51.9	51.9	49.9	49.9	41.2	41.2	39.2	39.2
62.5	21.5	21.5	47.4	47.4	45.4	45.4	32.0	32.0	30.0	30.0
100	20.1	20.1	44.3	44.3	42.3	42.3	24.5	24.5	22.5	22.5
150	18.9	18.9	41.7	41.7	39.7	39.7	16.9	16.9	14.9	14.9
200	18.0	18.0	39.8	39.8	37.8	37.8	10.8	10.8	8.8	8.8
250	17.3	17.3	38.3	38.3	36.3	36.3	5.5	5.5	3.5	3.5
300*	—	16.8	—	37.1	—	35.1	—	0.7	—	-1.3
350*	—	16.3	—	36.1	—	34.1	—	-3.6	—	-5.6
400	—	15.9	—	35.3	—	33.3	—	-7.7	—	-9.7
450	—	15.5	—	34.5	—	32.5	—	-11.5	—	-13.5
500*	—	15.2	—	33.8	—	31.8	—	-15.1	—	-17.1

*LANMARK-6 OSP is guarantees to 250 MHz; values shown above 250 MHz is for information only.

**ACR is provided for information only for LANMARK-6 OSP (not guaranteed).

†PSACR is a guaranteed parameter for LANMARK-6 OSP. TIA values are provided as calculations.

PRODUCT SPECIFICATIONS
LANMARK™-6 Cat 6 OSP Cable

GUARANTEED PRODUCT PERFORMANCE TRANSMISSION CHARACTERISTICS, CONTINUED

Freq.	IL (dB/100 m)		ACRF (dB/100 m)		PSACRF (dB/100 m)		LCL/TCL (dB)	ELTCTL (dB)
MHz	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	TIA Spec	Product Guarantee	Product Guarantee	Product Guarantee
1	2.0	2.0	67.8	67.8	64.8	64.8	40.0	35.0
4	3.8	3.8	55.8	55.8	52.8	52.8	40.0	23.0
10	6.0	6.0	47.8	47.8	44.8	44.8	40.0	15.0
16	7.6	7.6	43.7	43.7	40.7	40.7	38.0	10.9
20	8.5	8.5	41.8	41.8	38.8	38.8	37.0	9.0
31.25	10.7	10.7	37.9	37.9	34.9	34.9	35.1	—
62.5	15.4	15.4	31.9	31.9	28.9	28.9	32.0	—
100	19.8	19.8	27.8	27.8	24.8	24.8	30.0	—
150	24.7	24.7	24.3	24.3	21.3	21.3	28.2	—
200	29.0	29.0	21.8	21.8	18.8	18.8	27.0	—
250	32.8	32.8	19.8	19.8	16.8	16.8	26.0	—
300*	—	36.4	—	18.3	—	15.3	25.2	—
350*	—	39.8	—	16.9	—	13.9	24.6	—
400*	—	43.0	—	15.8	—	12.8	24.0	—
450*	—	46.0	—	14.7	—	11.7	23.5	—
500*	—	48.9	—	13.8	—	10.8	23.0	—

*LANMARK-6 OSP is guarantees to 250 MHz; values shown above 250 MHz is for information only.

PART NUMBERS

Description	Color	Packaging	Part No.
LANMARK-6 Cat 6 OSP UTP Cable	Black	Reel	10139885

PRINT LEGEND:

BERK-TEK LANMARK-6 CAT 6 23AWG TYPE F OUTDOOR TIA-568.2-D CAT 6 & ISO/IEC 11801 CAT 6 [DATE] [COUNTER] FT

For further support information, visit leviton.com/ns/support

Page 3 of 3

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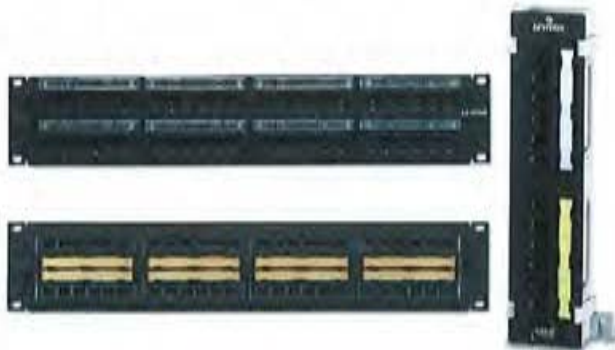
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NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT [LEVITON.COM/NS](https://leviton.com/ns) TO LEARN MORE.

Cat 5e Flat 110-Style Patch Panels and Patch Block

APPLICATION

Leviton Cat 5e Flat 110-Style Patch Panels and Patch Blocks are ideal for modular cross connection and available in a multitude of port densities to meet the needs of high-speed data applications. Craft-friendly 110 punchdowns on the rear of the panel make installation easy.



SPECIFICATION

Patch panels shall meet or exceed the requirements for channel- and component-level performance as described in ANSI/TIA-568-C.2 Category 5e standards, as well as the Class D requirements described in ISO/IEC 11801. The panels shall feature both T568A and T568B wiring configurations, white IDC 110-punchdown modules, mounting standoffs for cable management bars, and color-coded front window labeling. The panels shall have universal T568A and T568B wiring card for terminations. The panels shall be made of 14-gauge steel, and shall have a black painted finish with white silk-screening. The plastic elements shall be fire retardant with a UL flammability rating of 94V-0. Panels shall be offered in 12-, 24-, 48-, and 96-port configurations as well as 89D 12-port configuration for wall-mount applications. Patch panel shall be configured with six port modules. The 110 termination on the rear of the panel shall follow normal installation color sequence (blue, orange, green, brown) from left to right.

COUNTRY OF ORIGIN

USA

FEATURES

- Patented Retention Force Technology protects lines from damage and increases system longevity
- Craft-friendly installation
- Universal T568A and T568B wiring cards for 110-style IDC terminations
- Color-coded front labeling for easy port identification (ANSI/TIA-606-B compliant)
- Terminates 26-22 gauge solid conductors
- Centralized labeling (available on 48-port) promotes greater visibility of labels when patch cords are routed into horizontal cable management above and below the patch panel
- Capable of multiple re-terminations
- Panel available with patented magnifying lens label holder for easy reading

DESIGN CONSIDERATIONS

- Mounts on 19-inch equipment racks
- Panel offered in 12-, 24-, 48-, 96-port configurations and 12-port U89 Block for wall-mount applications
- Connector modules are in groups of six
- Includes rear cable management bars
- Use star washers for grounding in rack-mount installations

STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- ISO/IEC 11801
- ANSI/TIA-1096-A (formerly FCC Part 68)
- cULus Listed
- IEEE 802.3at (Type 1) Power over Ethernet (PoE) applications up to 15.4 watts
- IEEE 802.3at (Type 2) Power over Ethernet (PoE+) applications up to 30 watts
- IEEE 802.3bt/D1.7 (Type 3) Power over Ethernet (PoE+) applications up to 60 watts
- Cisco Universal Power Over Ethernet (UPOE) applications up to 60 watts

PHYSICAL SPECIFICATIONS

Dimensions: See page two
Capacity: 12-, 24-, 48-, or 96-port
12-port Patch Block
U89 Universal
Materials: 14-gauge steel, painted black, PCB and plastic components are rated UL 94V-0

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

Page 1 of 2

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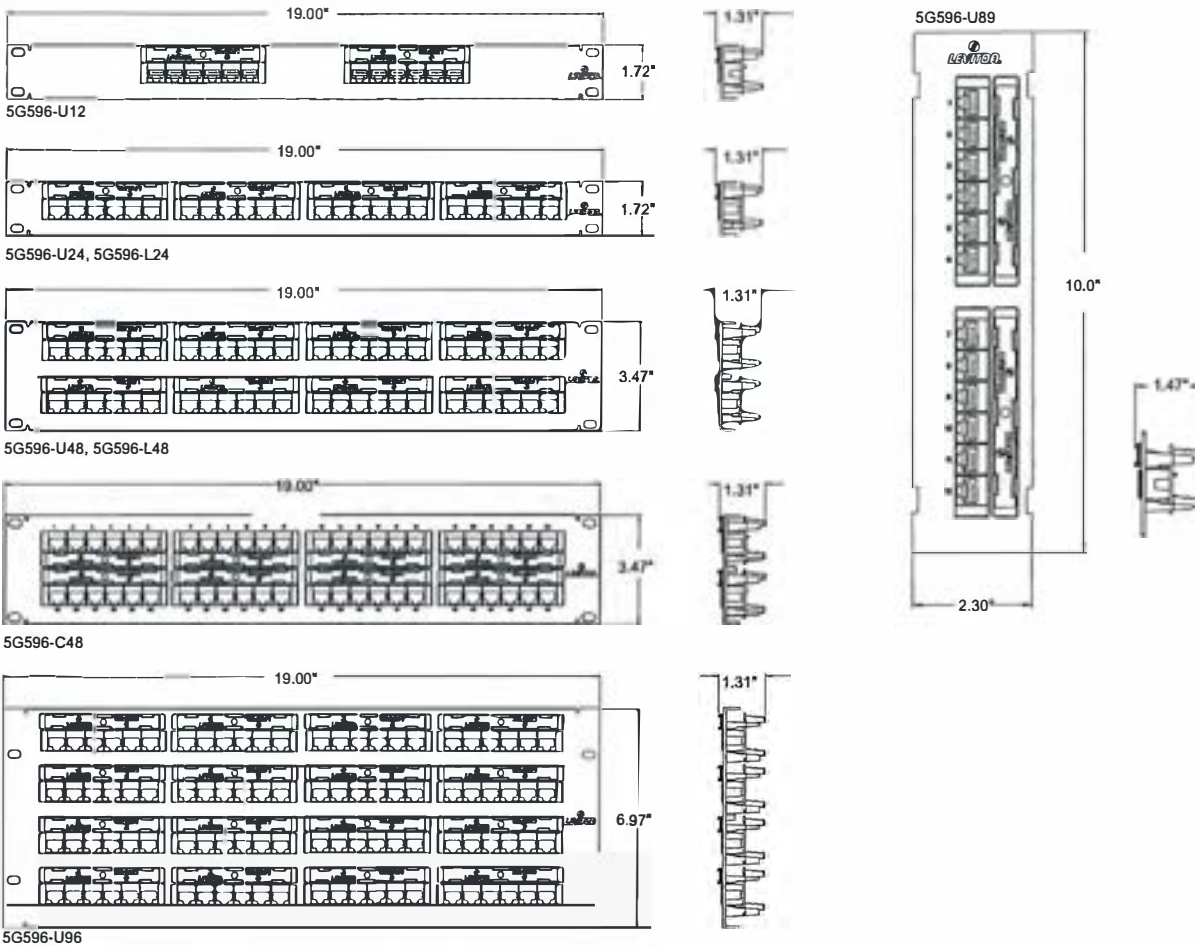
PRODUCT SPECIFICATIONS

5G596-xxx

LEVITON

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



5G596-xxx

PART NUMBERS

Description	Part No.
Cat 5e Flat 110-Style Patch Panel, 12-port, 1RU	5G596-U12
Cat 5e Flat 110-Style Patch Panel, 24-port, 1RU	5G596-U24
Cat 5e Flat 110-Style Patch Panel with magnifying lens label holder, 24-port, 1RU	5G596-L24
Cat 5e Flat 110-Style Patch Panel, 48-port, 2RU	5G596-U48
Cat 5e Flat 110-Style Patch Panel, 48-port, 2RU, Centralized Labeling	5G596-C48
Cat 5e Flat 110-Style Patch Panel with magnifying lens label holder, 48-port, 2RU	5G596-L48
Cat 5e Flat 110-Style Patch Panel, 96-port, 4RU	5G596-U96
Cat 5e Flat 110-Style Patch Block, 12-port	5G596-U89

Page 2 of 2

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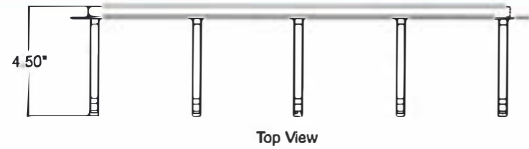
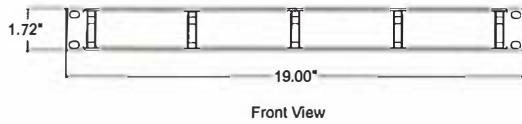
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PRODUCT SPECIFICATIONS
49253-xxx, 4925C-xCM

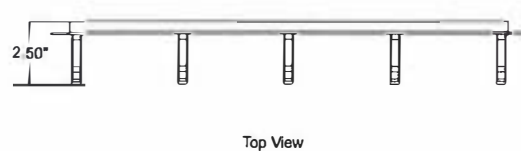
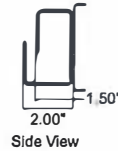
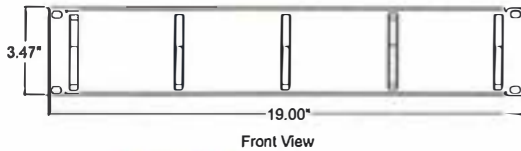


49253-xxx, 4925C-xCM

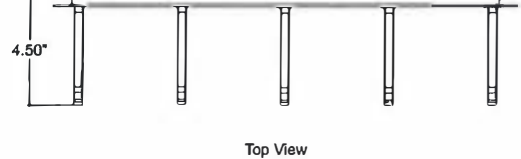
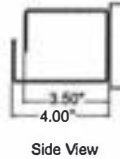
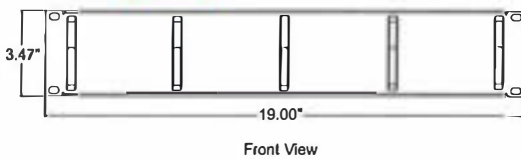
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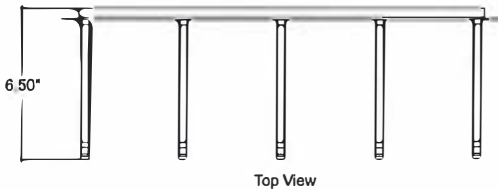
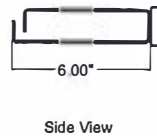
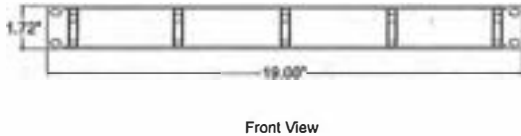
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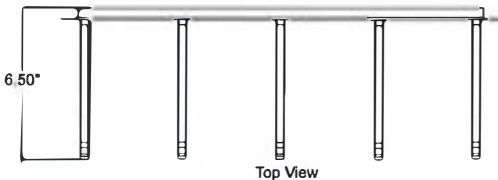
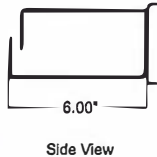
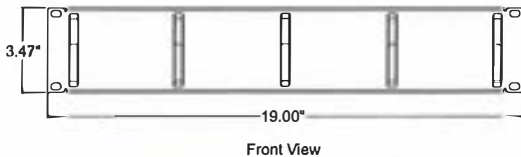
49253-BCM



49253-6PM



49253-6MR



PART NUMBERS

Description	Country of Origin	Part No.
Five-Ring Horizontal Cable Manager, 1RU, 4" metal rings	Taiwan	49253-LPM
Five-Ring Horizontal Cable Manager, 2RU, 4" metal rings	Taiwan	49253-BCM
Five-Ring Horizontal Cable Manager, 2RU, 2" metal rings	USA	49253-2CM
Five-Ring Horizontal Cable Manager, 1RU, 6" metal rings	USA	49253-6PM
Five-Ring Horizontal Cable Manager, 2RU, 6" metal rings	USA	49253-6MR
Five-Ring Horizontal Cable Manager w/ Cover, 1RU, 4" metal rings	Taiwan	4925C-LPM
Five-Ring Horizontal Cable Manager w/ Cover, 2RU, 4" metal rings	Taiwan	4925C-BCM



Page 2 of 2

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Five-Ring Horizontal Cable Managers & Covers

APPLICATION

Leviton Five-Ring Horizontal Cable Managers are ideal for light-duty cord distribution at the front of industry-standard 19-inch equipment racks, cabinets, and hinged wall-mounted brackets. Covers are available (sold separately) to provide a clean, finished appearance.



SPECIFICATION

The five-ring cable manager shall provide the capability to organize and contain patch cords on the front of the manager. The front of the manager shall provide five horizontal distribution rings to reduce stress on stored cables and to retain optimal cable geometry. All distribution rings shall have edges with a radius to protect cables from nicks and tears. Managers shall be available in 1RU and 2RU heights with either 4-inch or 6-inch deep rings. Metal covers shall be available, sold separately. Material shall be 16-gauge steel with a black powder-coat finish.

FEATURES

- Distribution rings are radius-edged to protect cable from nicks or wear
- Oversized distribution rings accommodate large quantities of patch cords
- Five-ring design reduces cord stress and improves containment near patch panels
- Use as an alternate mode of horizontal management between patch panels
- Managers available in 1RU and 2RU options with 4-inch or 6-inch deep rings
- 1RU and 2RU metal covers are available (sold separately)

DESIGN CONSIDERATIONS

- Verify adequate space for ring clearance
- Install managers above and below patch panels
- Four #12-24 screws supplied with each manager

STANDARDS COMPLIANCE

- ANSI/TIA-568-D
- cULus
- RoHS

PHYSICAL SPECIFICATIONS

Dimensions: See page two

Materials: 16-gauge steel with a black powder-coat finish

COUNTRY OF ORIGIN

See page two

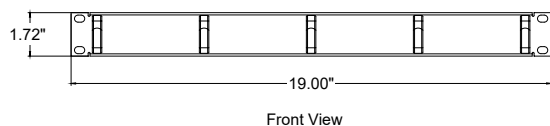
WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

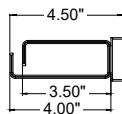
ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

49253-LPM

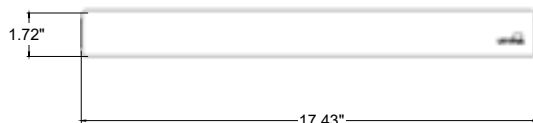


Front View

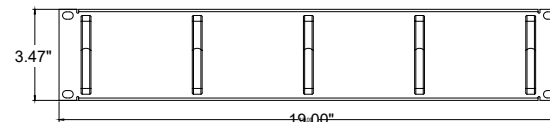


Side View

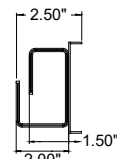
49253-1CV



49253-2CM

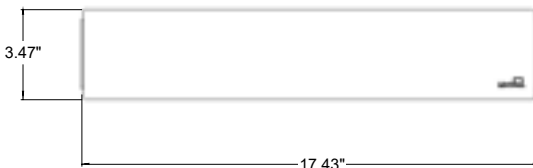


Front View

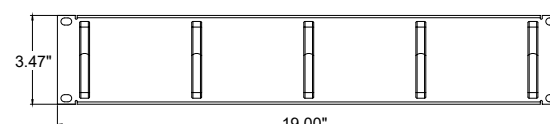


Side View

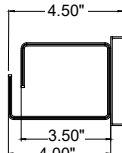
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49253-BCM

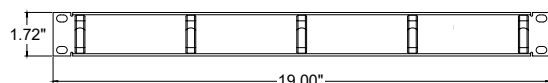


Front View

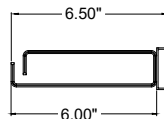


Side View

49253-6PM

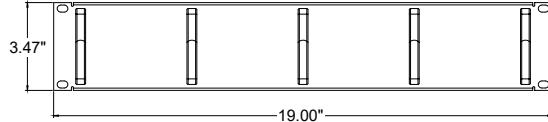


Front View

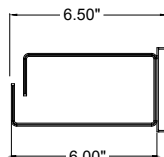


Side View

49253-6MR



Front View

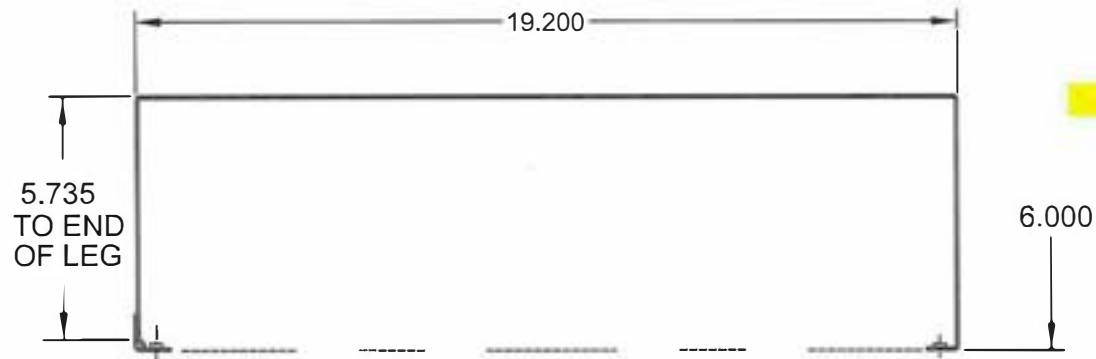


Side View

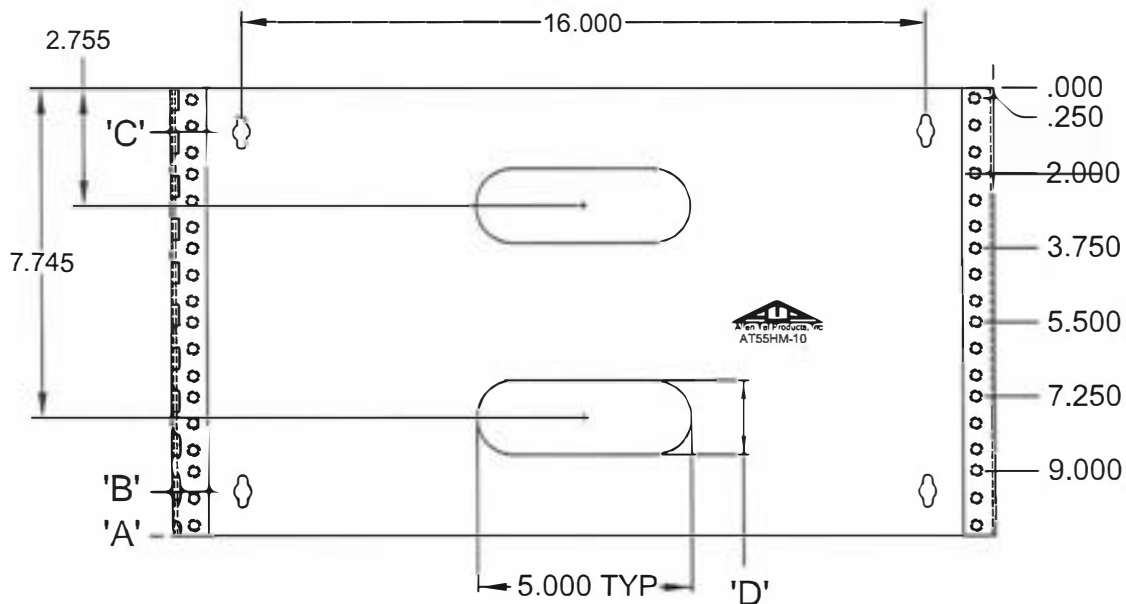
PART NUMBERS

Description	Country of Origin	Part No.
Five-Ring Horizontal Cable Manager, 1RU, 4" metal rings	Taiwan	49253-LPM
Five-Ring Horizontal Cable Manager, 2RU, 4" metal rings	Taiwan	49253-BCM
Five-Ring Horizontal Cable Manager, 2RU, 2" metal rings	USA	49253-2CM
Five-Ring Horizontal Cable Manager, 1RU, 6" metal rings	USA	49253-6PM
Five-Ring Horizontal Cable Manager, 2RU, 6" metal rings	USA	49253-6MR
Horizontal Cable Manager Cover, 1RU	Taiwan	49253-1CV
Horizontal Cable Manager Cover, 2RU	Taiwan	49253-2CV





AT55HM - 1	10	7	5	3	1
PEM QUANTITY	36	24	18	12	6
BRACKET HIGH 'A'	10.500	7.000	5.250	3.500	1.750
KEY HOLE POS'N 'B'	9.475	5.975	4.265	2.500	---
KEY HOLE POS'N 'C'	1.025	1.025	1.000	1.000	.860
SLOT WIDTH 'D'	1.750	1.750	1.750	1.000	.500
PACKAGING: SCREW COUNT	18	12	6	6	4



NOTES:

1. PACKAGE WITH #10-32 X .500
BLACK PAN HEAD SCREWS.
SEE CHART FOR COUNT.
2. MAT'L: 14 GA (.064 [1.63])
COLD ROLLED STEEL
PAINT IN BLACK



Allen Tel Products, Inc.
30 TV5 DRIVE • HENDERSON, NV • 89014

HINGED WALL BRACKETS
'AT55HM-X



49251-W62

Cable Management

Brand Features

Create a first class cabling infrastructure and reduce network administration time using Leviton's Rack & Frame Cable Management solutions.

Item Description

2-Position (3.5" H, 6.0" D) Hinged Wall-Mount Bracket

Technical Information

Product Features

Type: Hinged Wall-Mount Brackets



UPC Code: 07847784063

Country of Origin: Mexico - *Eligible for
ARRA funded projects > \$7,443,000



SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:	
JOB NUMBER:		

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201 North Service Road, Melville, NY 11747
Telephone: 1-800-323-8920 · FAX: 1-800-832-9538 · Tech Line (8:30AM-7:30PM E.S.T. Monday-Friday): 1-800-824-3005

Leviton Manufacturing of Canada, Ltd.
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Visit our Website at: www.leviton.com
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If you would like to know where your local Leviton office is located please go to: www.leviton.com/international/contacts/



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CHANNEL COMPARISON	CAT5e	PERFORMANCE CHOICE CAT5e
INSERT LOSS	24.0 dB	22.8 dB
PS-NEAR END CROSS TALK(NEXT)	27.1 dB	30.5 dB
POWER SUM ACR	3.1 dB	7.7 dB
MAXIMUM FREQUENCY	100MHz	155MHz - 350MHz*
INDEPENDENTLY TESTED	NO	YES
POSITIVE PS-ACR (155MHz)	NO	YES

*MEASURED PERFORMANCE

TWISTED PAIR	568B COLORS	PINS
PAIR 1	BLU - WHT/BLU	4/5
PAIR 2	GRN - WHT/GRN	6/3
PAIR 3	ORG - WHT/ORG	2/1
PAIR 4	BRN - WHT/BRN	8/7

TEMPERATURE SPECIFICATIONS		
OPERATING	STORAGE	INSTALLATION
-4 °F ~ 185 °F	-22 °F ~ 185 °F	-22 °F ~ 185 °F

OUTER JACKET COLORS:

XX = COLOR

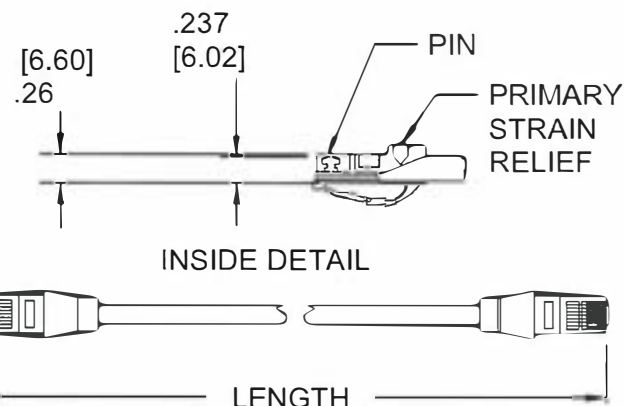
P = PURPLE	GY = GREY
WH = WHITE	I = IVORY
YL = YELLOW	BK = BLACK
BU = BLUE	GN = GREEN
RD = RED	OR = ORANGE

PLUG ASSY:

POLYCARBONATE, 94V-0, THE CONTACT AREA OF BLADES IS SELECTED PLATED WITH 50micro-INCHES OF HARD GOLD OVER 100micro-INCHES OF NICKEL.

CAT.5EV HARDWARE CABLE:

1. FIRE RETARDANT PVC COMPOUNDS.
2. ALLEN TEL PRODUCTS E131692 (UL) CM 75 °C, 4 PAIR, 24 AWG.
3. CSA LISTING LL64151 CMG FT4.
4. VOLT RATING: 300V
5. ETL & 3P VERIFIED TO TIA/EIA-568-B.2- ISO/IEC 11801 & EN 50173
CAT. 5e PATCH CORD---UTP.



PART #	LENGTH	
	FT	METRIC
AT1501EV-XX	1	305 MM
AT1502EV-XX	2	609 MM
AT1503EV- XX BU	3	914 MM
AT1505EV-XX	5	1524 MM
AT1507EV- XX BU	7	2134 MM
AT1510EV- XX BU	10	3048 MM
AT1515EV- XX BU	15	MM
AT1518EV-XX	18	5486 MM
AT1525EV-XX	25	7620 MM
AT1550EV-XX	50	15240 MM
AT15100EV-XX	100	30480 MM



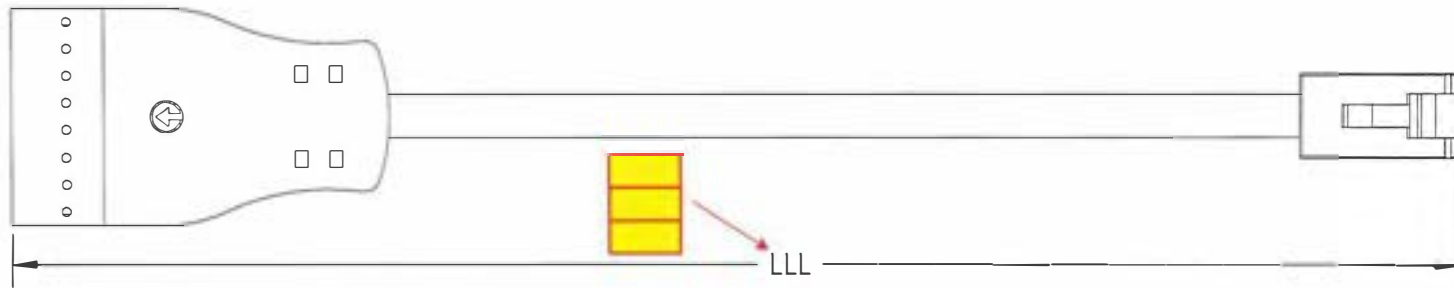
ALLEN TEL PRODUCTS, INC.

30 TV5 DRIVE • HENDERSON, NV • 89014

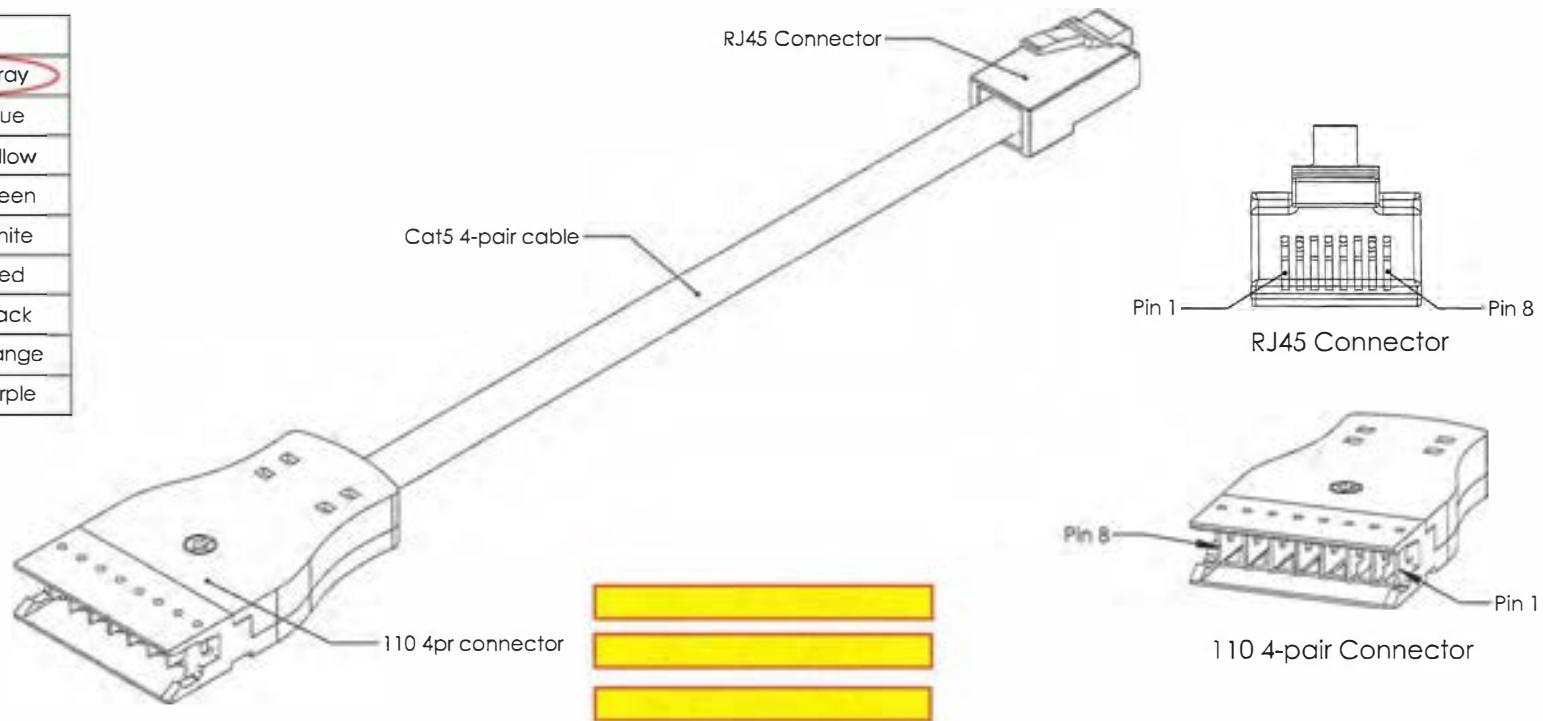
AT15XXEV-XX CAT 5e PATCH CORDS
WIRED TO TIA-568B



FOR HISTORICAL AND INFORMATIONAL PURPOSES ONLY



CCC	
100	Gray
110	Blue
115	Yellow
120	Green
125	White
130	Red
135	Black
140	Orange
145	Purple

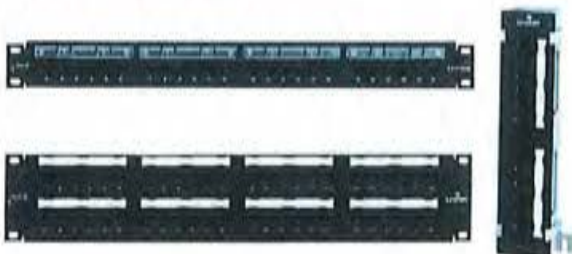


Pinout Chart			ELECTRICALS (NOM)		PROPRIETARY AND CONFIDENTIAL	UNLESS OTHERWISE SPECIFIED:	NAME	DATE	QUIKTRON			
110 4pr	Pin	RJ45							925 Old Lenoir Road NW Hickory, NC 28601 828-327-6009			
Blue/White	1	Orange/White	Cond. DC Resistance	N/A			DRAWN	E. Price	4/10/2009	TITLE: 594-CCC-LLL Cat5 110 4pr-RJ45 Assembly		
Blue	2	Orange	Cond. to Cond. Cap.	N/A			ENG APPR.	S. Pons	4/10/2009			
Orange/White	3	Green/White	Cond. to Shield Cap.	N/A			CHECKED			SIZE	DWG. NO.	REV
Orange	4	Blue	Impedance	N/A			MFG APPR.			A	D100888	A
Green/White	5	Blue/White	Velocity of Propagation	N/A			Q.A.			SCALE: NTS	WEIGHT:	SHEET 1 OF 1
Green	6	Green										
Brown/White	7	Brown/White										
Brown	8	Brown										

Cat 6 Flat 110-Style Patch Panels

APPLICATION

Leviton Cat 6 Flat 110-Style Patch Panels are designed for use on 19-inch standard racks and cabinets. Patch panels include patented Retention Force Technology which promotes consistent performance over the life of the system. Installer-friendly design allows for quick installation due to standard 110 terminations on the rear of the panels which follows the normal installation color sequence (blue, orange, green, brown) from left to right. The Cat 6 system is designed for use in high-megabit applications such as Gigabit Ethernet.



SPECIFICATION

Patch panels shall meet or exceed the requirements for channel- and component-level performance as described in ANSI/TIA-568-C.2 Category 6 standards, as well as the Class E requirements described in ISO/IEC 11801. Panels shall feature both T568A and T568B wiring configurations, white IDC 110-punchdown modules, mounting standoffs for cable management bars, and color-coded front window labeling. Panels shall have universal T568A and T568B wiring card for terminations. Panels shall be made of 14-gauge steel, and shall have a black painted finish with white silk-screening. The plastic elements shall be fire retardant with a UL flammability rating of 94V-0. Panels shall be offered in 12-, 24, 48-, and 96-port configurations as well as an 89D 12-port configuration. Patch panels shall be configured with six port modules. The 110 termination on the rear of the panels shall follow normal installation color sequence (blue, orange, green, brown) from left to right.

COUNTRY OF ORIGIN

USA

FEATURES

- Patented Retention Force Technology protects lines from damage and increases system longevity
- Craft-friendly installation
- Universal T568A and T568B wiring cards for 110-style IDC terminations
- Color-coded front labeling for easy port identification (ANSI/TIA-606-B compliant)
- Terminates 26-22 gauge solid conductors
- Centralized labeling (available on 48-Port) promotes greater visibility of labels when patch cords are routed into horizontal cable management above and below the patch panel
- Capable of multiple re-terminations
- Panel available with patented magnifying lens label holder for easy reading

DESIGN CONSIDERATIONS

- Mounts on 19-inch equipment racks
- Panel offered in 12-, 24-, 48-, 96-port configurations and 12-port U89 Block for wall-mount applications
- Connector modules are in groups of six
- Includes rear cable management bars
- Use star washers for grounding in rack-mount installations

STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- ISO/IEC 11801
- ANSI/TIA-1096-A (formerly FCC Part 68)
- cULus Listed
- IEEE 802.3at (Type 1) Power over Ethernet (PoE) applications up to 15.4 watts
- IEEE 802.3at (Type 2) Power over Ethernet (PoE+) applications up to 30 watts
- IEEE 802.3bt/D1.7 (Type 3) Power over Ethernet (PoE+) applications up to 60 watts
- IEEE 802.3bt/D1.7 (Type 4) Power over Ethernet (PoE+) applications up to 100 watts
- Cisco Universal Power Over Ethernet (UPOE) applications up to 60 watts
- Power over HDBaseT™ (POH) applications up to 100 watts

PHYSICAL SPECIFICATIONS

Dimensions:	See page two
Capacity:	12, 24, 48, 96-port, U-89 Universal 12-port block
Materials:	14-gauge steel, painted black; PCB and plastic components are rated per UL 94V-0

Page 1 of 2

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PRODUCT SPECIFICATIONS

69586-xxx

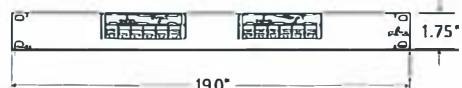


WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

ELECTRONIC FILES

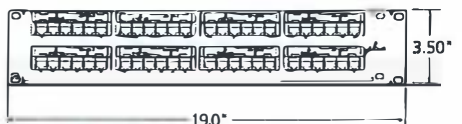
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



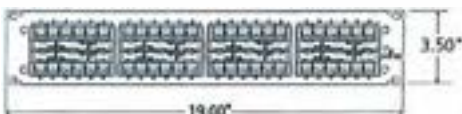
69586-U12



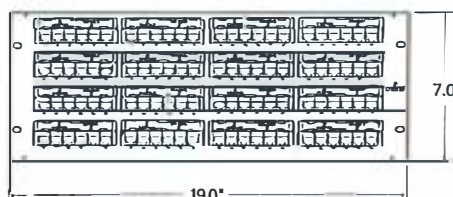
69586-U24, 69586-L24



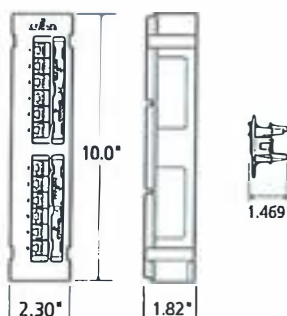
69586-U48, 69586-L48



69586-C48



69586-U96



69586-U89



69586-xxx

PART NUMBERS

Description	Part No.
Cat 6 Flat 110-Style Patch Panel, 12-Port, 1RU	69586-U12
Cat 6 Flat 110-Style Patch Panel, 24-Port, 1RU	69586-U24
Cat 6 Flat 110-Style Patch Panel with magnifying lens label holder, 24-Port, 1RU	69586-L24
Cat 6 Flat 110-Style Patch Panel, 48-Port, 2RU	69586-U48
Cat 6 Flat 110-Style Patch Panel with magnifying lens label holder, 48-Port, 2RU	69586-L48
Cat 6 Flat 110-Style Patch Panel, 48-Port, 2RU, centralized labeling	69586-C48
Cat 6 110-Style Patch Panel, 96-Port, 4RU	69586-U96
Cat 6 110-Style Patch Block, 12-Port	69586-U89

ANSI/TIA-568-C.2 CAT 6 PARAMETERS

Connecting Hardware Requirements*

	@ 100MHz	@ 250MHz
Insertion Loss (IL)	0.20	0.32
Near-end Crosstalk (NEXT)	54.0	46.0
Far-end Crosstalk (FEXT)	43.1	35.1
Return Loss (RL)	24.0	16.0
Transverse Conversion Loss (TCL)	28.0	20.0
Transverse Conversion Transfer Loss (TCTL)	28.0	20.0

*All requirements are minimum allowable except IL requirements are maximum allowable. Connecting hardware shall meet requirements of all parameters from 1-250 MHz. Values in above table are only at specific frequencies and are for references only.



Flat QuickPort® Patch Panels

APPLICATION

QuickPort Patch Panels are compatible with all QuickPort modular connectors to maximize versatility with a variety of media applications and enable easy upgrades. The panel fits all industry-standard 19-inch racks and cabinets.



49255-H24



49255-H48



49255-D72



49255-L24



49255-L48

SPECIFICATION

Patch panels shall be made of 16-gauge steel, and shall have a black painted finish with numbers below each port. The panel shall be offered in 24-, 48-, and 72-port configurations. The panel shall have the ability to allow for single port replacement of inoperative ports. 24-port configurations shall be compatible with Intact™ Intelligent Port Management System. Panels with label holders shall magnify the label printing.

DESIGN CONSIDERATIONS

- Mounts on 19-inch equipment racks
- Accepts all QuickPort-style Connectors
- Includes port numbers
- 49255-H24 and 49255-H48 include write-on blocks
- Rear cable management bar included
- 24-port panels are compatible with Intact Intelligent Port Management System
- Magnifying lens ensures visibility of port labels (49255-L24, 49255-L48)

STANDARDS COMPLIANCE

ANSI/TIA-568-C.1
cULus Listed

PHYSICAL SPECIFICATIONS

Capacity: 24-, 48-, and 72-port
Materials: 16-gauge steel; black painted finish
Dimensions: See page two
Mounting: 19-inch rack mount
Color: Black

COUNTRY OF ORIGIN

H24, H48 Taiwan
D72, L48 USA
L24 Mexico

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

INTACT™ INTELLIGENT PORT MANAGEMENT

Leviton 1RU 24-port QuickPort patch panels (49255-H24, 49255-L24) are "intelligent ready," enabling them to be upgraded in the field to become part of the Intact Intelligent Port Management System.

- Enables an initial lower-cost installation with a migration path toward an intelligent solution
- Panels are upgraded while still in the 19-inch rack or cabinet without removing connectors, preserving the integrity of permanent link testing

Learn more at leviton.com/Intact

49255-Hxx, 49255-D72, 49255-Lxx

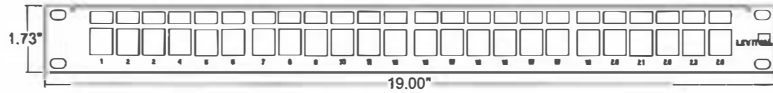
PRODUCT SPECIFICATIONS

49255-Hxx, 49255-D72, 49255-Lxx

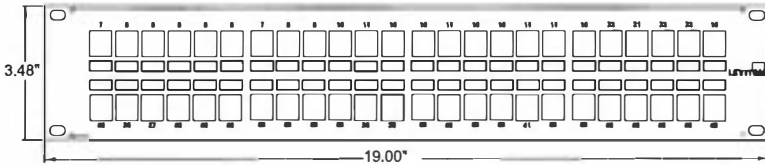


ELECTRONIC FILES

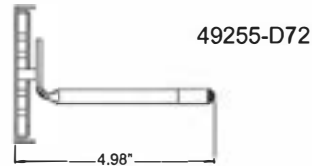
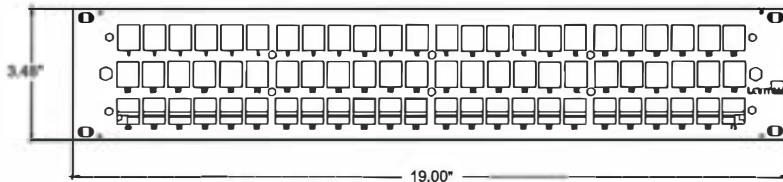
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



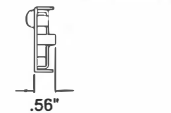
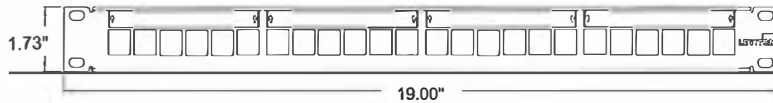
49255-H24



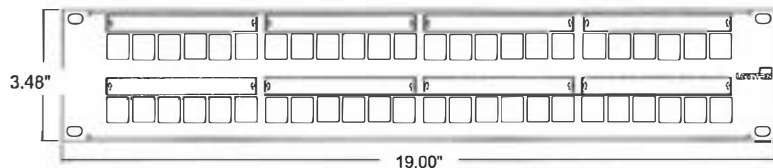
49255-H48



49255-D72



49255-L24



49255-L48

49255-Hxx, 49255-D72, 49255-Lxx

PART NUMBERS

Description

Part No.

QuickPort® Patch Panel, 1RU, 24-port, cable management bar included	49255-H24
QuickPort Patch Panel, 2RU, 48-port, cable management bar included	49255-H48
QuickPort Patch Panel, 2RU, 72-port, cable management bar included	49255-D72
QuickPort Patch Panel with Magnifying Lens Label Holder, 1RU, 24-port, cable management bar included	49255-L24
QuickPort Patch Panel with Magnifying Lens Label Holder, 2RU, 48-port, cable management bar included	49255-L48

Page 2 of 2

J15 5812



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Cat 6 UTP Patch Cords

APPLICATION

Cat 6 UTP Patch Cords, with a compact plug and boot, feature a narrow profile to support traditional and high-density panels and switches. The snagless plug design makes the patch cords an excellent choice in environments where moves, adds, and changes are frequent. Shorter boot provides a shorter installed bend radius, ideal for applications with limited space.



SPECIFICATION

Patch cords shall meet or exceed electrical transmission performance requirements of links and channels as described in ANSI/TIA-568.2-D (Cat 6) and ISO/IEC 11801-1 (Class E) and EN 50173-1 (Class E). Patch cords shall be 24 AWG stranded conductor with an 8-position modular plug on each end. The cords shall include a narrow-profile boot that allows for easy cord removal without snagging. The cords shall be available in standard lengths of 1, 3, 5, 7, 10, 15, and 20 feet. Patch cord plug shall be clear and contacts shall have industry-standard, ANSI/TIA-1096-A compliant 50 micro inches of gold plating.

COUNTRY OF ORIGIN

China

WARRANTY INFORMATION

Limited Product and Limited Extended Warranties are rendered VOID if the installed structured cabling system is used for PoE applications that exceed the product's specified power rating. For Leviton product warranties, go to leviton.com/ns/warranty.

FEATURES

- Tested and verified to meet Cat 6 component requirements for TIA, ISO/IEC, and EN standards
- Compact plug and boot promotes shorter installed bend radius, ideal for limited depth applications
- Snagless plug design prevents tab breakage
- Integrated strain-relief
- Stranded conductor for longer flex-life
- T568B wiring to function in either T568A or T568B applications
- All patch cords are backwards compatible with earlier ANSI/TIA category ratings
- Channel performance verified by third-party testing in 4-connector, 100-meter channel
- Accepts clip-on colored boot markers for network identifications
- Compatible with Leviton's Secure RJ system

DESIGN CONSIDERATIONS

- ANSI/TIA channel performance limits total length of patching and equipment cords to 32 feet (10 meters) per ANSI/TIA-568.2-D or 88.6 feet (27 meters) in a MUTOA application
- A variety of colors for color coding or organization
- Available in seven standard lengths (custom lengths available)

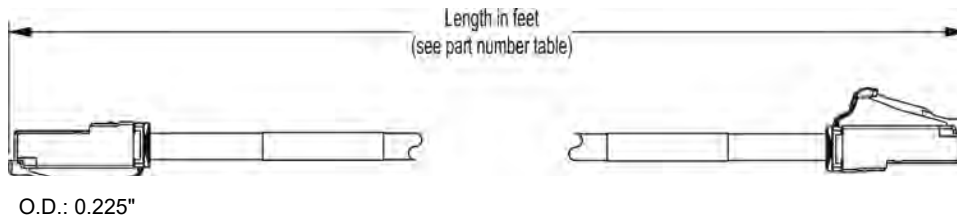
STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D (Cat 6)
- ISO/IEC 11801-1 (Cat 6)
- EN 50173-1 (Cat 6)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- UL 444 CM Rated
- IEEE 802.3bt PoE Type 1, 2, 3, 4 (90 watts max)
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)
- For 100 watt applications - Up to 100 cables in a bundle
- cULus Listed (UL 1863)
- RoHS 3

MECHANICAL SPECIFICATIONS

Dimensions:	See page two
Outer Diameter:	0.225"
Materials:	24 AWG UTP stranded conductor, modular non-keyed, 8-position, 8-conductor plug, 94V-0 rated
Stocked Colors:	White, yellow, red, blue, green, gray, black
Temperature (Storage):	-20 °C to +70 °C
Temperature (Installation):	0 °C to +50 °C
Temperature (Operating):	-20 °C to +60 °C

PRODUCT SPECIFICATIONS
6D460-xxx



6D460-xxx

CAT 6 UTP PATCH CORDS – STOCKED ITEMS

Description	White	Yellow	Red	Blue	Green	Gray	Black
Cat 6 UTP Patch Cord, 1 feet (0.3 m)	6D460-01W	6D460-01Y	6D460-01R	6D460-01L	6D460-01G	6D460-01S	6D460-01E
Cat 6 UTP Patch Cord, 3 feet (0.9 m)	6D460-03W	6D460-03Y	6D460-03R	6D460-03L	6D460-03G	6D460-03S	6D460-03E
Cat 6 UTP Patch Cord, 5 feet (1.5 m)	6D460-05W	6D460-05Y	6D460-05R	6D460-05L	6D460-05G	6D460-05S	6D460-05E
Cat 6 UTP Patch Cord, 7 feet (2.1 m)	6D460-07W	6D460-07Y	6D460-07R	6D460-07L	6D460-07G	6D460-07S	6D460-07E
Cat 6 UTP Patch Cord, 10 feet (3.0 m)	6D460-10W	6D460-10Y	6D460-10R	6D460-10L	6D460-10G	6D460-10S	6D460-10E
Cat 6 UTP Patch Cord, 15 feet (4.6 m)	6D460-15W	6D460-15Y	6D460-15R	6D460-15L	6D460-15G	6D460-15S	6D460-15E
Cat 6 UTP Patch Cord, 20 feet (6.1 m)	6D460-20W	6D460-20Y	6D460-20R	6D460-20L	6D460-20G	6D460-20S	6D460-20E

NOTE: Other lengths and colors are available by special order. Please contact customer service for more information.



For assistance customizing your patch cords, please visit
leviton.com/configurator or call Tech Support at 800.824.3005.

For further support information, visit leviton.com/ns/support

Cat 6A Patch Cords

APPLICATION

Leviton Cat 6A Patch Cords, with a compact plug and boot, exceed all channel performance requirements in ANSI/TIA-568.2-D from 1 MHz to 500 MHz to support the IEEE 802.3an standard for 10 Gigabit Ethernet over UTP cable. The patch cords provide superior alien crosstalk suppression and protect critical data from EMI (electromagnetic interference) and RFI (radio frequency interference). They are ideal for use in a UTP Cat 6A system, or as part of a Cat 6A shielded system for use in health care, manufacturing, casinos, and other environments where alien crosstalk may be a concern.



SPECIFICATION

Patch cords shall meet or exceed electrical transmission performance requirements for all internal and alien crosstalk parameters from 1 to 500 MHz as described in ANSI/TIA-568.2-D (Cat 6A) and ISO/IEC 11801-1 (Class E_A) and EN 50173-1 (Class E_A). The patch cord shall be a 26-gauge FTP construction with stranded conductors to provide greater flex life. The patch cord will incorporate a plug and boot combination to provide strain relief and ease of use in higher-density applications. The patch cords shall be available in standard lengths of 3, 5, 7, 10, 15, and 20 feet. The patch cord shall be available in seven standard colors. Patch cord plug shall have industry-standard, ANSI/TIA-1096-A compliant 50 micro inches of gold plating.

COUNTRY OF ORIGIN

USA

FEATURES

- Tested and verified for Cat 6A component performance
- Cable construction provides excellent alien crosstalk suppression and EMI/RFI protection
- Compact plug and boot promotes shorter installed bend radius, ideal for limited depth applications
- Snagless design prevents tab breakage
- Integrated strain relief
- Easily manageable, with an outside diameter of .240 inches
- 26 AWG stranded conductors for maximum flexibility
- Same cord for UTP or shielded installations
- Manufactured by Leviton using Berk-Tek cable
- Accepts clip-on colored boot markers for network identifications

STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D Cat 6A
- ISO/IEC 11801-1 Class E_A
- EN 50173-1 Class E_A
- cULus listed
- ANSI/TIA-1096-A
- UL 444 CMR rated
- IEEE 802.3bt PoE Type 1, 2, 3, 4 (90 watts max)
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)
- Maximum cable bundle for 90W and above is 100 cords

MECHANICAL SPECIFICATIONS

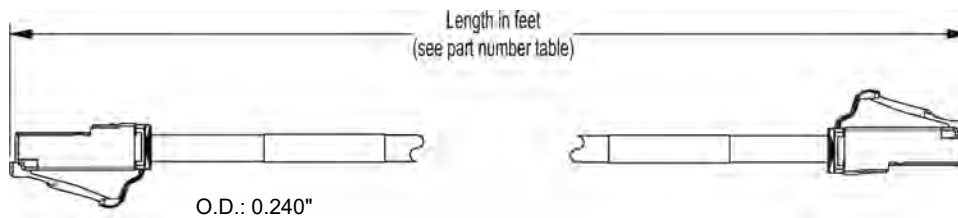
Available Lengths:	See page two
Outer Diameter (O.D.):	0.240"
Materials:	26 AWG, FTP stranded conductor
Colors:	White, yellow, red, blue, green, gray, and black
Temperature (Installation):	0 °C to +50 °C
Temperature (Storage):	-20 °C to +60 °C
Temperature (Operating):	-20 °C to +60 °C
UL voltage rating:	300V

WARRANTY INFORMATION

Note: Limited Product and Limited Extended Warranties are rendered VOID if the installed structured cabling system is used for PoE applications that exceed the product's specified power rating. For Leviton product warranties, go to leviton.com/ns/warranty

PRODUCT SPECIFICATIONS

6AS10-xxx



6AS10-xxx

ANSI/TIA-568.2-D CAT 6A PATCH CORD REQUIREMENTS

	TIA Minimum Requirements* (dB)		
	@ 100MHz	@ 250MHz	@ 500MHz
1-Meter Patch Cord NEXT	47.0	39.3	28.2
2-Meter Patch Cord NEXT	46.4	38.9	28.4
5-Meter Patch Cord NEXT	45.4	38.1	29.0
Return Loss - All Lengths	18.0	14.0	9.5

1 Meter = 3.280 Feet, 2 Meters = 6.561 Feet, 5 Meters = 16.404 Feet

*NOTES:

Patch Cords shall meet requirements of all parameters from 1-500 MHz.
Values in above table are only at specific frequencies and are for reference only.

CAT 6A PATCH CORDS – STOCKED ITEMS

Description	White	Yellow	Red	Blue	Green	Gray	Black
Cat 6A Patch Cord, 3 feet (0.9 m)	6AS10-03W	6AS10-03Y	6AS10-03R	6AS10-03L	6AS10-03G	6AS10-03S	6AS10-03E
Cat 6A Patch Cord, 5 feet (1.5 m)	6AS10-05W	6AS10-05Y	6AS10-05R	6AS10-05L	6AS10-05G	6AS10-05S	6AS10-05E
Cat 6A Patch Cord, 7 feet (2.1 m)	6AS10-07W	6AS10-07Y	6AS10-07R	6AS10-07L	6AS10-07G	6AS10-07S	6AS10-07E
Cat 6A Patch Cord, 10 feet (3.0 m)	6AS10-10W	6AS10-10Y	6AS10-10R	6AS10-10L	6AS10-10G	6AS10-10S	6AS10-10E
Cat 6A Patch Cord, 15 feet (4.5 m)	6AS10-15W	6AS10-15Y	6AS10-15R	6AS10-15L	6AS10-15G	6AS10-15S	6AS10-15E
Cat 6A Patch Cord, 20 feet (6.0 m)	6AS10-20W	6AS10-20Y	6AS10-20R	6AS10-20L	6AS10-20G	6AS10-20S	6AS10-20E

Note: Other lengths and colors (such as orange and violet) are available by special order, please contact customer service for more information.

For assistance customizing your patch cords, please visit www.leviton.com/configurator or call Tech Support at 800.824.3005.



For further support information, visit leviton.com/ns/support

GigaMax® Cat 5e UTP QuickPort® Connector

APPLICATION

The GigaMax Cat 5e UTP QuickPort Connector is designed to be used with any Category 5e UTP structured cabling system. The modular connector features a one-piece narrow design that supports high port density in a small area, and is ideal for use in residential, MDU, and high megabit applications.



SPECIFICATION

The modular connector shall meet or exceed requirements for Category 5e described in the ANSI/TIA-568-C.2 specifications. The connectors shall also be in compliance with all National Electrical Codes; compliant with ANSI/TIA-1096-A; UL listed; and independently UL Certified. In addition to Category 5e compliance, the connector shall have the ability to support high megabit and shared-sheath applications. All plastics used in construction of the connector bodies shall be fire-retardant with a UL flammability rating of 94V-0. Termination of all connectors shall be 110-type IDC with solder-plated phosphor bronze contacts. The connector shall provide a ledge directly adjacent to the 110-style termination against which the wires can be directly terminated and cut in one action by the installer. Connector wiring label shall provide installation color codes for both T568A and T568B wiring schemes. The modular hardware shall fit all other installed telecommunications wallplates, outlets and field-configurable patch panels and patch blocks.

FEATURES

- Available in 13 colors
- Dual wiring code label allows connector to be wired to either T568A or T568B
- Individual port configurability allows specification flexibility
- Robust one-piece lead-frame design
- Narrow connector allows high port density in a small area
- Performance supports high megabit and shared-sheath applications
- Available individually, in bulk packages of 25, and in bulk packages of 150 with a JackRapid™ Punchdown Tool

DESIGN CONSIDERATIONS

- Use in any QuickPort® housing to support GigaMax Cat 5e UTP connectivity in surface-mount, flush-mount, or modular furniture outlets, or patch panels and patch blocks
- Can be used in conjunction with other QuickPort snap-in modules for voice/data and video applications over UTP, coax and fiber
- To ID ports, use different colored modules for each application

STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- cULus listed
- ANSI/TIA-1096-A (Formerly FCC Part 68)
- IEEE 802.3at (Type 1) Power over Ethernet (PoE) applications up to 15.4 watts
- IEEE 802.3at (Type 2) Power over Ethernet (PoE+) applications up to 30 watts
- IEEE 802.3bt/D1.7 (Type 3) Power over Ethernet (PoE+) applications up to 60 watts
- Cisco Universal Power Over Ethernet (UPOE) applications up to 60 watts

PHYSICAL SPECIFICATIONS

Dimensions: See page two
Materials: Connector body is high-impact, fire-retardant plastic rated UL 94V-0.

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

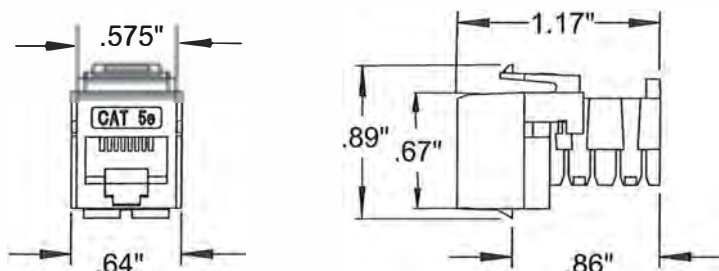
PRODUCT SPECIFICATIONS

5G108-xx5



ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



5G108-xx5

PART NUMBERS

Description	Connector	QuickPack® 25/Bag	150/Bag with JackRapid™ Tool
GigaMax® Cat 5e UTP QuickPort® Connector, white	5G108-RW5	5G108-BW5	5G108-JW5
GigaMax Cat 5e UTP QuickPort Connector, ivory	5G108-RI5	5G108-BI5	5G108-JI5
GigaMax Cat 5e UTP QuickPort Connector, orange	5G108-RO5	5G108-BO5	5G108-JO5
GigaMax Cat 5e UTP QuickPort Connector, blue	5G108-RL5	5G108-BL5	5G108-JL5
GigaMax Cat 5e UTP QuickPort Connector, black	5G108-RE5	5G108-BE5	5G108-JE5
GigaMax Cat 5e UTP QuickPort Connector, light almond	5G108-RT5	5G108-BT5	5G108-JT5
GigaMax Cat 5e UTP QuickPort Connector, grey	5G108-RG5	5G108-BG5	5G108-JG5
GigaMax Cat 5e UTP QuickPort Connector, crimson red	5G108-RC5	5G108-BC5	5G108-JC5
GigaMax Cat 5e UTP QuickPort Connector, yellow	5G108-RY5	5G108-BY5	5G108-JY5
GigaMax Cat 5e UTP QuickPort Connector, green	5G108-RV5	5G108-BV5	5G108-JV5
GigaMax Cat 5e UTP QuickPort Connector, purple	5G108-RP5	5G108-BP5	5G108-JP5
GigaMax Cat 5e UTP QuickPort Connector, brown	5G108-RB5	5G108-BB5	5G108-JB5
GigaMax Cat 5e UTP QuickPort Connector, dark red	5G108-RR5	5G108-BR5	5G108-JR5



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eXtreme® Cat 6A Channel-Rated QuickPort® Jack

APPLICATION

The eXtreme Cat 6A Channel-Rated QuickPort jack is designed to be used with all QuickPort compatible products and features patented injection-molded Cone of Silence™ covers to eliminate alien crosstalk (AXT). The jack includes patented Retention Force Technology™ to promote consistent network performance over the life of the system. Unique Pair Separation Towers facilitate quick, easy terminations. The jack is configured in a 180-degree configuration such that the punch down field is in the back, allowing for rear termination.



SPECIFICATION

The jack shall meet or exceed the requirements for electrical transmission in performance of links and channels as described in ANSI/TIA-568.2-D (Cat 6A), ISO/IEC 11801-1 (Class E_A), and EN 50173-1 (Class E_A). The modular jack shall be snap-in style. The jack shall be compliant with ANSI/TIA-1096-A, cULus listed, and be independently verified for electrical transmission performance and power delivery. In addition to Cat 6A compliance, the jack shall have the ability to support high-megabit and shared-sheath applications. All plastics used in construction of jack bodies shall be fire retardant with a UL flammability rating of 94V-0. All terminations shall use 110-type insulation displacement jacks (IDC). The jack shall provide a ledge directly adjacent to the 110-style termination against which wires can be directly terminated and cut in one action by the installation craftsman.

Jack wiring is universal and will accommodate installation color codes for T568A and T568B wiring schemes. The termination field shall be in the rear for easy access. The jack shall include an alien crosstalk attenuation cover (Cone of Silence) to protect the termination field from induced noise from adjacent jacks. The modular jack shall fit in a variety of telecommunications wallplates, outlets, and field-configurable patch panels and patch blocks. The jack shall be available in 13 ANSI/TIA-606-C compatible colors. It shall exceed IEEE 802.3bt standard up to 0.5 amps per conductor (100 watts) continuously.

FEATURES

- Terminates 26 to 22 AWG solid conductors and 24 to 22 AWG stranded conductors
- Terminates 26 AWG stranded conductors up to 5 times
- Cat 6A/Class EA Channel Performance
- Patented RFT protects against time damage from 4- or 6-pin plugs
- Alien crosstalk suppressed by Cone of Silence, metalized body, and new printed circuit board
- Pair Separation Tower (PST) design facilitates separation of Cat 6A conductors
- Patented, dual-layer wiring label simplifies punchdown and reduces rework
- Will exceed IEEE 802.3bt standard up to 0.5 amps per conductor (100 watts) continuously
- ETL verified to meet the IEC 60512-99-002 standard for support of IEEE 802.3bt Type 4 PoE (90-watt) applications

DESIGN CONSIDERATIONS

- Use in any QuickPort housing to support Cat 6A UTP connectivity in surface-mount, flush-mount, or modular-furniture outlets and field-configurable panels
- Can be used in conjunction with other QuickPort snap-in modules for voice/data/video applications over UTP, coax, fiber
- To identify ports, use different colored modules for each application (full selection of ANSI/TIA-606-C compatible colors - 13 available)

STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D (Cat 6A)
- ISO/IEC 11801-1 (Cat 6A)
- EN 50173-1 (Cat 6A)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- IEC 60512-99-002
- IEC 60603-7 (includes IEC 60512-5-2)
- cULus Listed (UL 1863)
- UL 2043 Plenum Certified
- IEEE 802.3bt PoE Type 1 (15.4 Watts) formerly 802.3af, Type 2 (30 Watts) formerly 802.3at, Type 3 (60 Watts), Type 4 90 Watts)
- Cisco UPoE (60 Watts), UPoE+ (90 Watts)
- Power over HDBaseT™ PoH (95 Watts)
- RoHS 3

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/warranty

PRODUCT SPECIFICATIONS

6110G-xx6



6110G-xx6

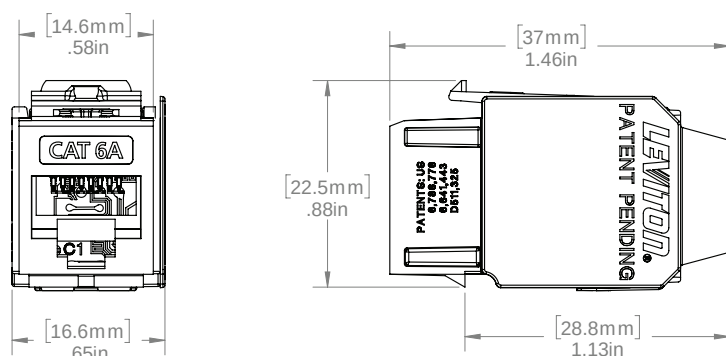
MECHANICAL SPECIFICATIONS

Dimensions: See below

Materials: **Jack Body:** High-impact, fire-retardant plastic rated UL 94V-0
Spring Wire Contacts: High-quality, copper-based alloy, plated with 50 microinches of gold for lowest contact resistance and maximum life

Temperature (Installation): -40 °C to +70 °C

Temperature (Operating): -10 °C to +60 °C



PART NUMBERS

Description	Part No.	GreenPack™ 12-Pack
eXtreme® Cat 6A Channel-Rated QuickPort® Jack, white	6110G-RW6	6110G-CW6
eXtreme Cat 6A Channel-Rated QuickPort Jack, light almond	6110G-RT6	—
eXtreme Cat 6A Channel-Rated QuickPort Jack, ivory	6110G-RI6	—
eXtreme Cat 6A Channel-Rated QuickPort Jack, yellow	6110G-RY6	—
eXtreme Cat 6A Channel-Rated QuickPort Jack, orange	6110G-RO6	—
eXtreme Cat 6A Channel-Rated QuickPort Jack, crimson	6110G-RC6	—
eXtreme Cat 6A Channel-Rated QuickPort Jack, dark red	6110G-RR6	—
eXtreme Cat 6A Channel-Rated QuickPort Jack, purple	6110G-RP6	—
eXtreme Cat 6A Channel-Rated QuickPort Jack, blue	6110G-RL6	6110G-CL6
eXtreme Cat 6A Channel-Rated QuickPort Jack, green	6110G-RV6	—
eXtreme Cat 6A Channel-Rated QuickPort Jack, gray	6110G-RG6	—
eXtreme Cat 6A Channel-Rated QuickPort Jack, black	6110G-RE6	6110G-CE6
eXtreme Cat 6A Channel-Rated QuickPort Jack, brown	6110G-RB6	—

For further support information, visit leviton.com/ns/support

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Leviton is dedicated to designing, developing and manufacturing sustainable high-performance structured cabling and speciality cabling solutions. Network Solutions products are available worldwide in over 100 countries. Visit us online to learn more.

ATLAS-X1™ Cat 6A Component-Rated UTP QUICKPORT™ Jack

APPLICATION

The ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack supports 10GBASE-T networks. The jack is part of a complete ATLAS-X1 Cat 6A UTP system, ideal for the most demanding mission-critical network applications. The connector supports emerging technologies and will easily adapt to network trends.



SPECIFICATION

The jack shall meet or exceed the requirements for channel and component-level electrical transmission performance as described in ANSI/TIA-568.2-D (Cat 6A), ISO/IEC 11801-1 (Class E_A), and EN 50173-1 (Class E_A). The jack shall be compliant with ANSI/TIA-1096-A, cULus listed, and be independently verified for electrical transmission performance and power delivery. The jack body shall be made of die-cast zinc and all plastic components shall be made of high-impact, fire-retardant plastic rated UL 94V-0. The jack shall support tool-free termination/re-termination and shall not require a specialized termination tool. The jack wiring shall be universal to accommodate T568A and T568B wiring schemes. The jack shall be available in 13 colors; more than established by the ANSI/TIA-606-C standard. The jack shall be offered in standard and shuttered styles and select jacks shall be supplied with interchangeable icons. It shall exceed IEEE 802.3bt standard up to 0.5 amps per conductor (100 watts) continuously.

DESIGN CONSIDERATIONS

- Use in any QUICKPORT™ housing to support Cat 6A UTP connectivity in surface-mount, flush-mount, or modular furniture outlets and field-configurable panels
- Can be used in conjunction with other QUICKPORT snap-in modules for voice/data/video applications over UTP, coax, and fiber
- To identify ports, use different colored modules and icons for each application (full selection of ANSI/TIA-606 compatible colors, 13 available)
- Robust housing and shutter protects the jack in harsh environments

FEATURES

- Independently tested and guaranteed to exceed all component, permanent link, and channel margins
- Patented Retention Force Technology™ (RFT) protects against time damage and increases system longevity
- For Power over Ethernet, RFT maintains contact force between plug and jack, preventing arcing from intermittent disconnects
- Unique design supports tool-free termination/re-termination and requires no specialized termination tool
- Short jack design supports a wider range of applications (e.g. shallow boxes, enclosures, bend radius, etc.)
- Terminates from 26 to 22 AWG solid or stranded conductors for use on various cable types
- Robust IDCs can withstand 20 re-termination cycles and jack contacts are tested for 750 plug-mating cycles to ensure system longevity
- Available in 13 ANSI/TIA-606-C compatible colors
- Tested and approved for use in air-handling spaces (plenum rating) in accordance with UL Standard 2043
- Select jacks available with interchangeable icons (voice, data, A/V, blank) for easy ID
- Jack with internal shutter protects against dust and debris
- Solid metal body dissipates 53% more heat than plastic, minimizing damage from excess heat in PoE applications
- Tine geometry prevents arcing damage where plug and jack make contact
- Will exceed IEEE 802.3bt standard up to 0.5 amps per conductor (100 watts) continuously
- ETL verified to meet the IEC 60512-99-002 standard for support of IEEE 802.3bt Type 4 PoE (90-watt) applications

STANDARDS & REGULATIONS

- ANSI/TIA-568.2-D (Cat 6A)
- ISO/IEC 11801-1 (Cat 6A)
- EN 50173-1 (Cat 6A)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- IEC 60603-7 (includes IEC 60512-5-2)
- IEC 60512-99-002
- IEEE 802.3bt PoE Type 1, 2, 3, 4 (90 watts max)
- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)
- cULus Listed (UL 1863)
- UL 2043 Plenum Certified
- RoHS 3

COUNTRY OF ORIGIN

USA and Mexico (Contact Customer Service for details)

PRODUCT SPECIFICATIONS

6AUJK-xx6, ICONS-ICx

MECHANICAL SPECIFICATIONS

Dimensions: See page 3

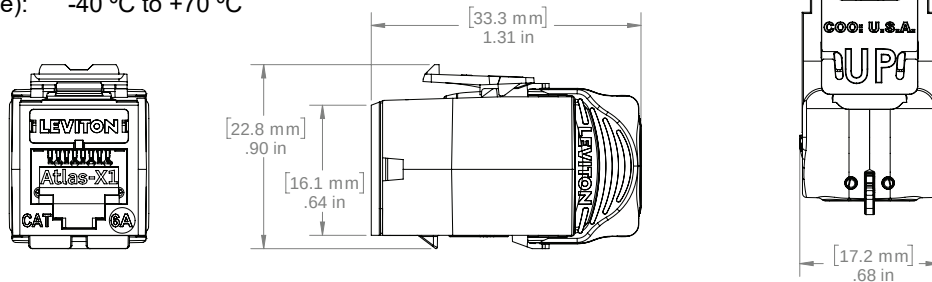
Materials: **Jack Body:** Die-cast zinc

Spring-Wire Contacts: High quality, copper-based alloy, plated with 50 microinches of gold for lowest contact resistance and maximum life

Temperature (Installation): Refer to cable installation temperature

Temperature (Operating): -10 °C to +60 °C

Temperature (Storage): -40 °C to +70 °C



6AUJK-xx6, ICONS-ICx

PART NUMBERS

Description	Standard Jack	Jack with Shutter	GREENPACK™ 12-Pack Standard Jack
ATLAS-X1™ Cat 6A Component-Rated UTP QUICKPORT™ Jack, white	6AUJK-RW6	6AUJK-SW6	6AUJK-CW6
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, light almond	6AUJK-RT6	6AUJK-ST6	—
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, ivory	6AUJK-RI6	6AUJK-SI6	—
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, yellow	6AUJK-RY6	6AUJK-SY6	—
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, orange	6AUJK-RO6	6AUJK-SO6	—
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, crimson	6AUJK-RC6	6AUJK-SC6	—
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, dark red	6AUJK-RR6	6AUJK-SR6	—
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, purple	6AUJK-RP6	6AUJK-SP6	—
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, blue	6AUJK-RL6	6AUJK-SL6	6AUJK-CL6
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, green	6AUJK-RV6	6AUJK-SV6	—
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, gray	6AUJK-RG6	6AUJK-SG6	—
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, black	6AUJK-RE6	6AUJK-SE6	6AUJK-CE6
ATLAS-X1 Cat 6A Component-Rated UTP QUICKPORT Jack, brown	6AUJK-RB6	6AUJK-SB6	—

Color-matched icons (ICONS-ICx) can be ordered separately in 72-quantity packs.

Bulk wire managers (AXUJK-BWM) can be ordered separately in 10-quantity packs.

x = icon color

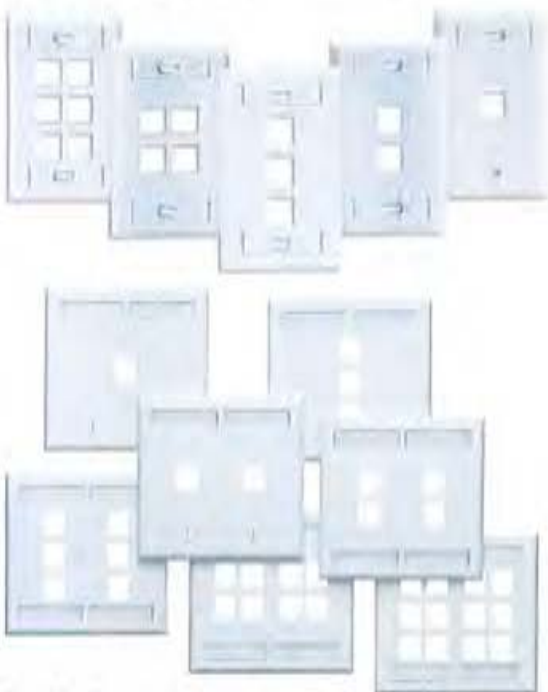


For further support information, visit leviton.com/ns/support

Single-Gang and Dual-Gang QuickPort® Wallplates with ID Windows

APPLICATION

Leviton single-gang and dual-gang wallplates accept QuickPort snap-in modules to support multimedia station applications with 1, 2, 3, 4, 6, 8, and 12 ports. Use where port designation windows in a single-gang or dual-gang economical flush-mount housing is desired. Available in five colors: white, light almond, grey, ivory, and black.



SPECIFICATION

The wallplate housing shall be a one-piece, single- or dual-gang flush-mount style that fits standard NEMA openings and accommodates low-voltage box eliminators for a flush mount. It shall provide 1, 2, 3, 4, 6, 8, or 12 ports. It must be able to accept all Leviton QuickPort modules. The wallplate shall feature clear port ID windows. It must be made of high-impact, fire-retardant plastic rated UL 94V-0, and be cULus Listed and compliant with ANSI/TIA-568-C.0 specifications. Colors, port counts, and configurations to be specified per schedule on plan. Wallplate screws shall match wallplate color.

Page 1 of 2

FEATURES

- Includes ID designation windows for each wallplate
- Color-matched wallplate screws
- Fits within minimum rectangular NEMA openings and accommodates low-voltage box eliminators for a flush mount
- Compatible with all individual QuickPort modules
- Individual port configurability allows specification flexibility
- Narrow module width allows high port density in a small area

DESIGN CONSIDERATIONS

- Single-gang fits standard NEMA single-gang back boxes; dual-gang fits both single- and dual-gang standard NEMA back boxes
- Put blanks (41084-B*B) in unused ports for future expansion
- Specify port identification method (colored modules, designation labels, and custom silk-screening available/to identify ports, use different colored connectors for each application or Leviton pre-printed Port Designation Labels (41080-LEB)
- The higher port versions (4, 6, 8, and 12 ports) may be used for MUTOA (multi-user telecommunications outlet assembly) applications

STANDARDS COMPLIANCE

- cULus Listed (UL 1863 & CAN/CSA-C22.2 No. 182.4)
- ANSI/TIA-568-C.0

PHYSICAL SPECIFICATIONS

Dimensions: See page two
Materials: High-impact, fire-retardant plastic rated UL 94V-0
Capacity: Single-gang: Available in 1, 2, 3, 4, or 6 ports
Dual-gang: Available in 1, 2, 3, 4, 6, 8, or 12 ports

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

42080-xxS, 42080-xxP, 42080-12x

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eXtreme® Cat 6 Component-Rated UTP QuickPort® Connector

APPLICATION

The eXtreme Cat 6 connector is designed to be used with all QuickPort compatible products. The connector includes patented Retention Force Technology which promotes consistent performance over the life of the system. It features unique pair separation towers allowing for quicker and easier terminations. The connector is built on a 180-degree configuration with the punch field in the back, allowing for rear termination.



SPECIFICATION

The connector shall meet or exceed the requirements for channel- and component-level performance as described in ANSI/TIA-568-C.2 Category 6 standards, as well as the Class E requirements described in ISO/IEC 11801. The connector shall be individual snap-in style. The connectors shall also be in compliance with all National Electrical Codes; compliant with ANSI/TIA-1096-A; UL listed; and independently verified. In addition to Category 6 compliance, the connector shall have the ability to support high megabit and shared-sheath applications. All plastics used in construction of the connector bodies shall be fire retardant with a UL flammability rating of 94V-0. Termination of all connectors shall be 110-type insulation displacement connectors (IDC). The connector shall provide a ledge directly adjacent to the 110-style termination against which the wires can be terminated and cut in one action by the installation craftsman. Connector wiring is universal and will accommodate installation color codes for T568A and T568B wiring schemes. The termination field shall be in the rear for easy access. The connector shall fit in a variety of telecommunications wallplates, outlets, and field-configurable patch panels and patch blocks.

COUNTRY OF ORIGIN

USA

Page 1 of 2

FEATURES

- Terminates 26-22 gauge solid conductors
- Capable of multiple re-terminations
- Gas-tight IDC connectors prevent corrosion
- Dual-layer T568B/T568A wiring label simplifies punchdown
- Patented Retention Force Technology protects lines from damage and increases system longevity
- Pair Separation Tower design facilitates separation of conductors and minimizes untwisting
- 180-degree configuration allows for rear termination
- Available in 13 ANSI/TIA-606-B compatible colors for color coding or organization
- Available individually, in bulk packages of 25, and in bulk packages of 150 with a JackRapid™ Punchdown Tool

DESIGN CONSIDERATIONS

- Use in any QuickPort housing to support eXtreme Cat 6 UTP connectivity in surface-mount, flush-mount, or modular furniture outlets and field-configurable panels
- Can be used in conjunction with other QuickPort snap-in modules for voice/data and video applications over UTP, coax, and fiber

STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- ISO/IEC 11801
- ANSI/TIA-1096-A (formerly FCC Part 68)
- cULus Listed
- IEEE 802.3at (Type 1) Power over Ethernet (PoE) applications up to 15.4 watts
- IEEE 802.3at (Type 2) Power over Ethernet (PoE+) applications up to 30 watts
- IEEE 802.3bt/D1.7 (Type 3) Power over Ethernet (PoE+) applications up to 60 watts
- IEEE 802.3bt/D1.7 (Type 4) Power over Ethernet (PoE+) applications up to 100 watts
- Cisco Universal Power Over Ethernet (UPOE) applications up to 60 watts
- Power over HDBaseT™ (POH) applications up to 100 watts

PHYSICAL SPECIFICATIONS

Dimensions: See page two

Materials: **Connector Body:** High-impact, fire-retardant plastic rated UL 94V-0.

Spring-Wire Contacts: High-quality copper-based alloy, plated with 50 micro-inches of gold over 100 micro-inches of nickel for lowest contact resistance, maximum life.

61110-xx6

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PRODUCT SPECIFICATIONS

61110-xx6

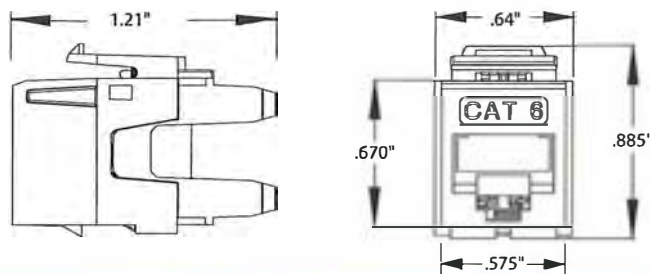


WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



61110-xx6

ANSI/TIA-568-C.2 CAT 6 PARAMETERS

Component Requirements

	@ 100MHz	@ 250MHz
Insertion Loss (IL)	0.20	0.32
Near-end Crosstalk (NEXT)	54.0	46.0
Far-end Crosstalk (FEXT)	43.1	35.1
Return Loss (RL)	24.0	16.0
Transverse Conversion Loss (TCL)	28.0	20.0
Transverse Conversion Transfer Loss (TCTL)	28.0	20.0

*All requirements are minimum allowable except IL requirements are maximum allowable. Connecting hardware shall meet requirements of all parameters from 1-250 MHz. Values in above table are only at specific frequencies and are for references only.

PART NUMBERS

Description	Connector	QuickPack® 25/Bag	150/Bag with JackRapid™ Tool
eXtreme® Cat 6 Component-Rated UTP QuickPort® Connector, white	61110-RW6	61110-BW6	61110-JW6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, ivory	61110-RI6	61110-BI6	61110-JI6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, orange	61110-RO6	61110-BO6	61110-JO6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, blue	61110-RL6	61110-BL6	61110-JL6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, black	61110-RE6	61110-BE6	61110-JE6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, light almond	61110-RT6	61110-BT6	61110-JT6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, grey	61110-RG6	61110-BG6	61110-JG6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, crimson red	61110-RC6	61110-BC6	61110-JC6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, yellow	61110-RY6	61110-BY6	61110-JY6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, green	61110-RV6	61110-BV6	61110-JV6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, purple	61110-RP6	61110-BP6	61110-JP6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, brown	61110-RB6	61110-BB6	61110-JB6
eXtreme Cat 6 Component-Rated UTP QuickPort Connector, dark red	61110-RR6	61110-BR6	61110-JR6



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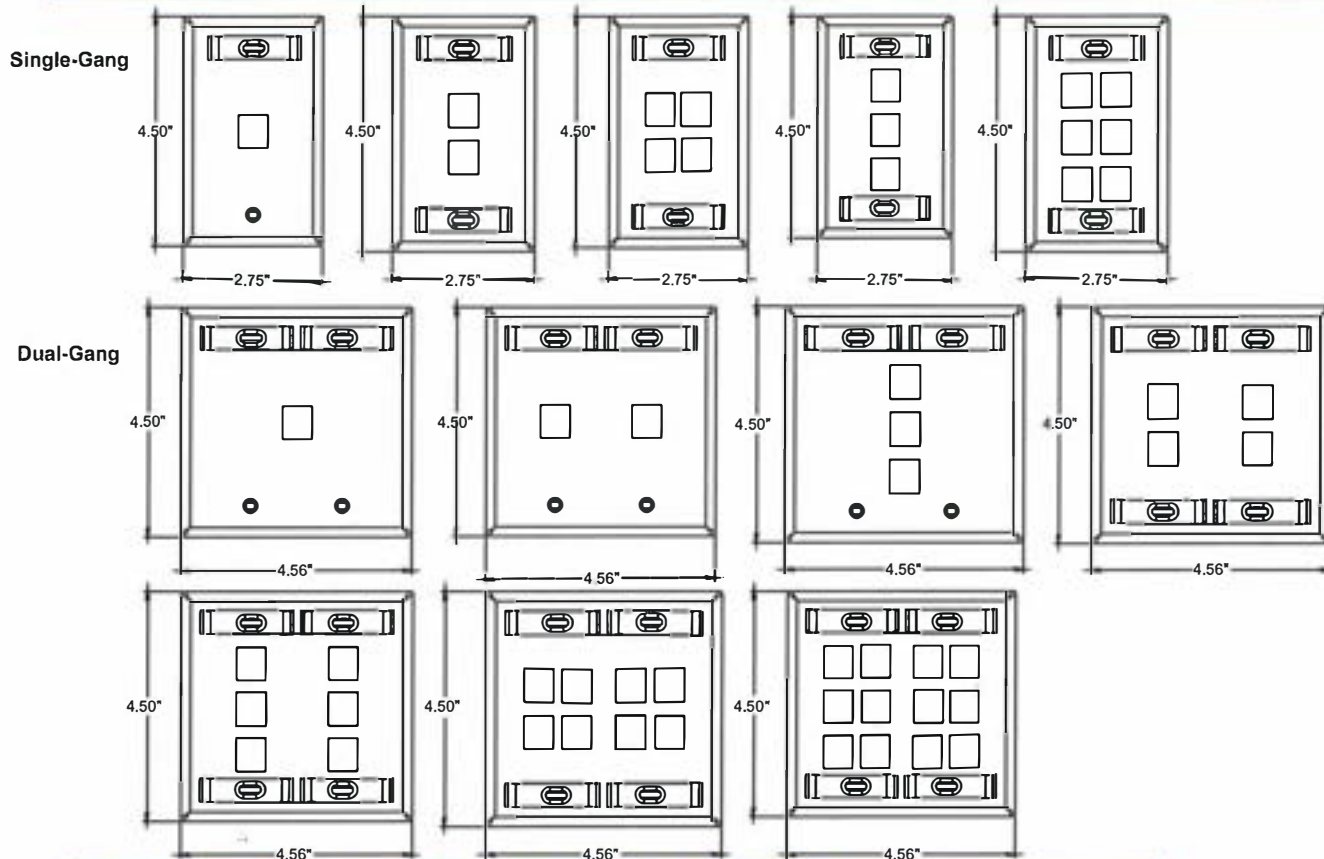
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PRODUCT SPECIFICATIONS
42080-xxS, 42080-xxP, 42080-12x

LEVITON



42080-xxS, 42080-xxP, 42080-12x

SINGLE-GANG QUICKPORT® WALLPLATES WITH ID WINDOWS

Description	White	Lt. Almond	Ivory	Grey	Black
6-Port Wallplate	42080-6WS	42080-6TS	42080-6IS	42080-6GS	42080-6ES
4-Port Wallplate	42080-4WS	42080-4TS	42080-4IS	42080-4GS	42080-4ES
3-Port Wallplate	42080-3WS	42080-3TS	42080-3IS	42080-3GS	42080-3ES
2-Port Wallplate	42080-2WS	42080-2TS	42080-2IS	42080-2GS	42080-2ES
1-Port Wallplate*	42080-1WS	42080-1TS	42080-1IS	42080-1GS	42080-1ES

DUAL-GANG QUICKPORT WALLPLATES WITH ID WINDOWS

Description	White	Lt. Almond	Ivory	Grey	Black
12-Port Wallplate	42080-12W	42080-12T	42080-12I	42080-12G	42080-12E
8-Port Wallplate	42080-8WP	42080-8TP	42080-8IP	42080-8GP	42080-8EP
6-Port Wallplate	42080-6WP	42080-6TP	42080-6IP	42080-6GP	42080-6EP
4-Port Wallplate	42080-4WP	42080-4TP	42080-4IP	42080-4GP	42080-4EP
3-Port Wallplate	42080-3WP	42080-3TP	42080-3IP	42080-3GP	42080-3EP
2-Port Wallplate†	42080-2WP	42080-2TP	42080-2IP	42080-2GP	42080-2EP
1-Port Wallplate†	42080-1WP	42080-1TP	42080-1IP	42080-1GP	42080-1EP

Page 2 of 2 Wallplates are sold empty.

* = Single-gang 1-port wallplates only have one ID window on top.

† = Dual-gang 1- and 2-port wallplates only have two ID windows on top.

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 88014

Wallplates

Brand Features

Familiar and functional, Leviton Traditional Wallplates are designed for use with Traditional Leviton devices. They represent styles and form factors that have stood the test of time. Their clean lines work in virtually any location, whether in new or retrofit construction, and they install quickly and easily. Leviton offers Traditional Wallplates in a vast array of colors and configurations.

Item Description

1-Gang No Device Blank Wallplate, Standard Size, Thermoset, Box Mount - White

Technical Information

Product Features

Type: Standard Size

Gang: 1

Material: Thermoset

Color: White

Mount: Box

Standards and Certifications: UL/CSA



UPC Code: 07847777299

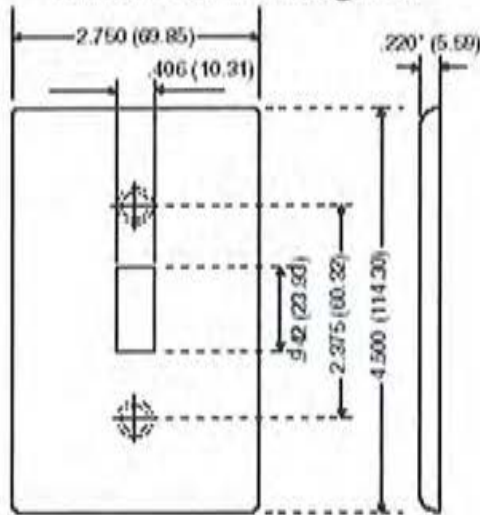
Country of Origin: United States - **Eligible for ARRA funded projects*



**May include one or more globally sourced components.*



Dimensional Diagram



SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:	
JOB NUMBER:		

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 201 North Service Road, Melville, NY 11747
 Telephone: 1-800-323-8920 · FAX: 1-800-832-9538 · Tech Line (8:30AM-7:30PM E.S.T. Monday-Friday): 1-800-824-3005

Leviton Manufacturing of Canada, Ltd.
 165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 · Telephone: 1-800-469-7890 ·
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Blank QuickPort® Inserts

APPLICATION

Blank QuickPort Inserts are designed to secure unused QuickPort openings, and provide protection from dust and debris.



SPECIFICATION

Blank QuickPort Inserts shall fit installed Leviton telecommunications wallplates, outlets, and field-configurable patch panels and patch blocks. Blank inserts shall be available in six colors (ivory, white, light almond, grey, black, and brown) to match the housings or provide unique color coding for port ID. Modules shall be UL listed. All plastics used in construction of the module bodies shall be fire retardant.

FEATURES

- Compatible with all QuickPort wallplates and housings
- Packaged in a bag of 10

DESIGN CONSIDERATIONS

- Blank QuickPort Inserts snap into any housing with the QuickPort name: flush- and surface-mount outlets, Multimedia Outlet System (with adapter), patch panels, and patch blocks
- Blank inserts are available in six colors (ivory, white, light almond, grey, black, and brown) to match the housings or provide unique color coding for port ID

STANDARDS COMPLIANCE

- cULus Listed (UL 1863, CAN/CSA-C22.2 No. 182.4-1990)

PHYSICAL SPECIFICATIONS

Dimensions: See page two
Materials: Snap-in module bodies are high-impact, fire-retardant plastic

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

41084-0Bx

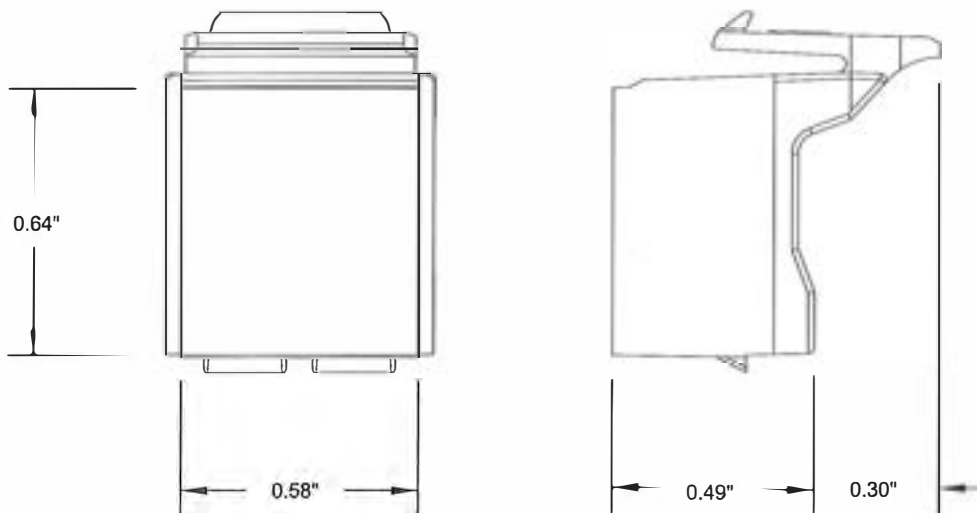
PRODUCT SPECIFICATIONS

41084-0Bx



ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



41084-0Bx

PART NUMBERS

Description	IVORY	WHITE	LT. ALMOND	GREY	BLACK	BROWN
Blank QuickPort® Module, bag of 10	41084-0BI	41084-0BW	41084-0BT	41084-0BG	41084-0BE	41084-0BB



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Single and Dual-Gang Surface-Mount Back Boxes

APPLICATION

Single- and dual-gang back boxes are used for surface-mount installation in hard-wall or open-office environments. Compatible with all Leviton QuickPort® and MOS flush-mount wallplates. Accommodates various raceway types. Available in two depths (1.45 and 1.89 inches) and in four colors (white, ivory, grey, and black).



SPECIFICATION

Surface-mount back boxes shall accept NEMA compliant flush-mount plates. Both side and rear cable entry must be provided with rear cable knockout sized to facilitate cable bend-radius. Back boxes shall have removable base and accommodate two sizes of raceway on sides, top, and bottom. Matching shallow and deep versions shall be available. Colors and configurations to be specified per schedule on plan. Back boxes shall be constructed of high-impact, fire-retardant plastic rated UL 94V-0, and be UL Listed and compliant with ANSI/TIA-568-C.0 specifications.

FEATURES

- Back boxes have tie-wrap anchors at each inside raceway entry point
- Dual-gang back box has four fiber storage tie-wrap anchors located on base surface
- Screws and tape provided for mounting; optional magnet retention (41030-SMJ)
- Compatible with all Leviton multimedia wallplates, including QuickPort wallplates
- Two-piece construction
- Designed with rear and side cable access breakouts
- Larger breakouts in single-gang bases accommodate a larger cable bend radius
- Available in four colors (white, ivory, grey, and black)

DESIGN CONSIDERATIONS

- Single-gang back box accepts Leviton MOS, QuickPort wallplates, and any Leviton single-gang wallplate
- Dual-gang back box accepts mounting of fiber ring (41290-DRx), MOS, QuickPort dual-gang wallplates, and any Leviton dual-gang NEMA style wallplate
- Back boxes include two-magnet retainers for optional surface mounting with magnets
- Side breakouts accept Wiremold and Panduit raceway or equivalent
- Rear and side cable access breakouts
- Available in two depths (1.45 and 1.89 inches)

STANDARDS COMPLIANCE

- UL Listed
- CSA Certified
- ANSI/TIA-568-C.0

PHYSICAL SPECIFICATIONS

Dimensions: See page two
Materials: Fire-retardant plastic rated 94V-0
Mounting: Use screws (included), adhesive tape (included), or optional magnet mount (41030-SMJ)
Colors: White, ivory, grey, and black

COUNTRY OF ORIGIN

Mexico

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

42777-1xx, 42777-2xx

PRODUCT SPECIFICATIONS

42777-1xx, 42777-2xx

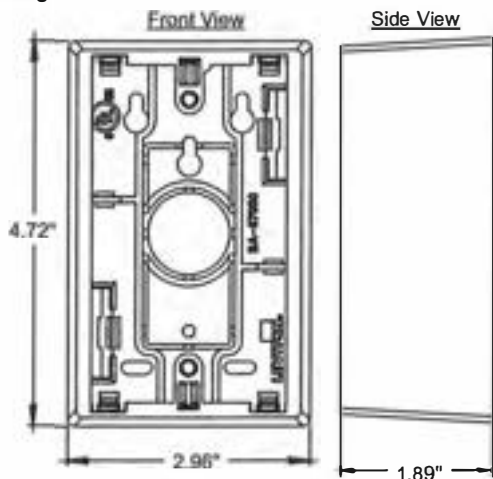


ELECTRONIC FILES

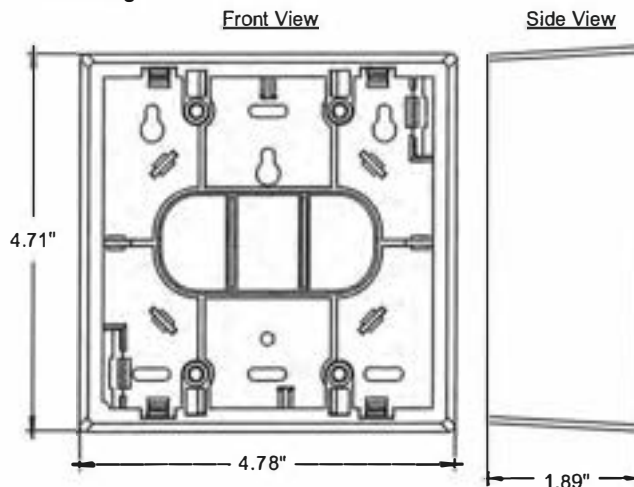
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42777-1xx, 42777-2xx

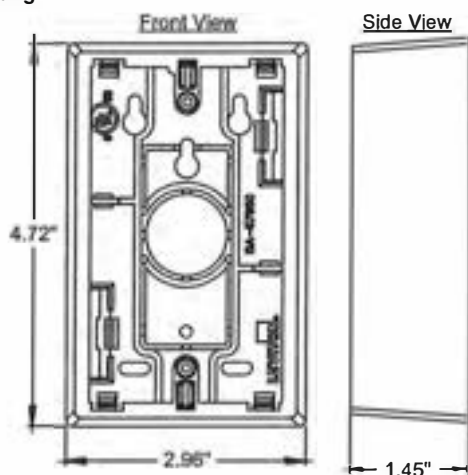
Single Gang



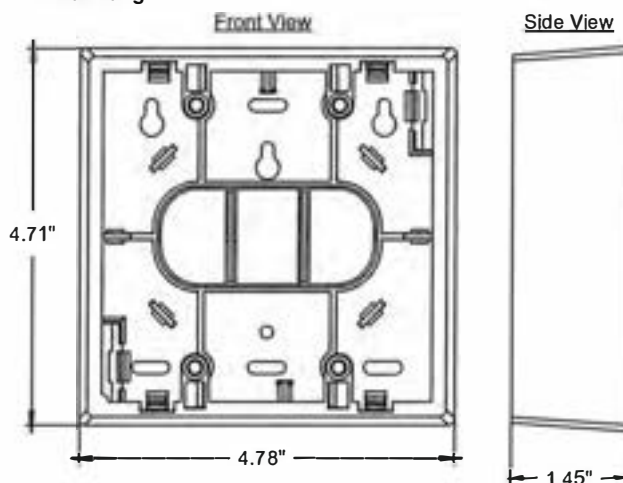
Dual Gang



Single Gang



Dual Gang



PART NUMBERS

Description	WHITE	IVORY	GREY	BLACK
Single-Gang Surface-Mount Back Boxes, 1.89-inches deep	42777-1WA	42777-1IA	42777-1GA	42777-1EA
Single-Gang Surface-Mount Back Boxes, 1.45-inches deep	42777-1WB	42777-1IB	42777-1GB	42777-1EB
Dual-Gang Surface-Mount Back Boxes, 1.89-inches deep	42777-2WA	42777-2IA	42777-2GA	42777-2EA
Dual-Gang Surface-Mount Back Boxes, 1.45-inches deep	42777-2WB	42777-2IB	42777-2GB	42777-2EB



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PRODUCT SPECIFICATIONS

41089-1xP, 41089-2xP, 41089-4xP, 41089-6xP, 41089-12x

LEVITON

Surface-Mount QuickPort® Boxes

APPLICATION

The compact surface-mount box accepts QuickPort snap-in connectors. The box supports voice/data applications in office, retrofit, or other surface-mount environments. It includes an ID window, mounting screws, and adhesive, and is available in four colors: white, ivory, grey, and black.



SPECIFICATION

The surface-mount box shall be small and low profile to accept up to twelve field-configurable QuickPort connectors. Base shall include cable anchor points. Mounting methods shall include screws, pressure sensitive adhesive, and magnets. Cover shall include an identification window, which also hides a user-provided #6 x 1/2-inch security screw. Construction shall be of high-impact fire-retardant plastic rated UL 94V-0. Box shall be cULus listed and compliant with ANSI/TIA-568-C. One and two-port housings shall comply with UL 2043 as suitable for use in air handling spaces per NEC 300-22(b)(c).

Page 1 of 2

FEATURES

- One and two-port housings are suitable for installation in air handling spaces (plenum)
- User-provided cover screw can be installed for additional security
- Compatible with all individual QuickPort modules
- Connector module can be pre-terminated prior to snapping into housing port
- 1-port blank included to close off unused port for 2-port box
- Designation label provided for identification purposes
- Includes two self-tapping screws and pressure-sensitive adhesive

DESIGN CONSIDERATIONS

- Bottom, side, or rear cable entry options (rear cable entry recommended to help meet cable bend radius standards)
- Accepts magnet (41030-SMJ) for mounting on steel surfaces
- Allows the use of different colored connectors for different applications to identify ports, 13 ANSI/TIA-606-B compatible connector colors available
- The 4-port box has mounting holes that are compatible with NEMA electrical boxes, covering the wall opening when mounted to single-gang NEMA boxes

STANDARDS COMPLIANCE

ANSI/TIA-568-C
RoHS compliant
cULus 1863, 2043

PHYSICAL SPECIFICATIONS

Dimensions: See page two
Materials: High-impact, fire-retardant plastic rated UL 94V-0
Mounting: Screws (included), pressure-sensitive adhesive (included), or magnet (sold separately)

COUNTRY OF ORIGIN

Mexico

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

41089-1xP, 41089-2xP, 41089-4xP, 41089-6xP, 41089-12x

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PRODUCT SPECIFICATIONS

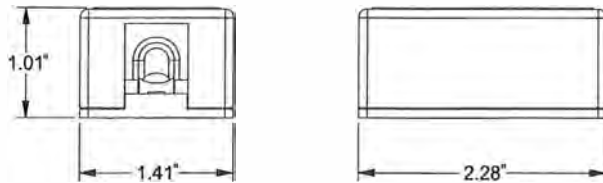
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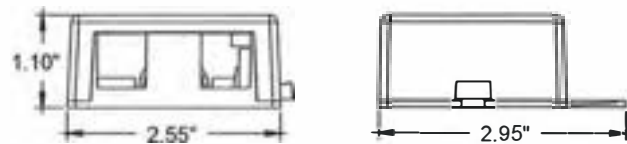
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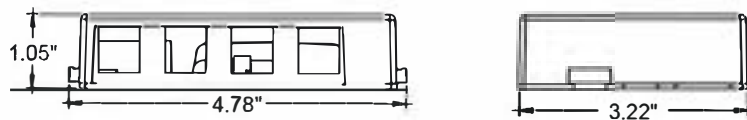
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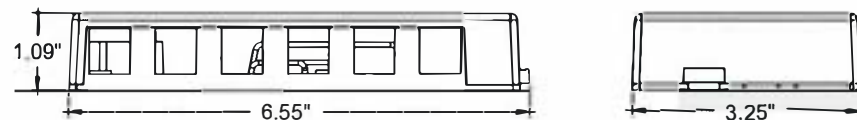
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41089-4xP



41089-6xP



41089-12x



41089-1xP, 41089-2xP, 41089-4xP, 41089-6xP, 41089-12x

PART NUMBERS

Description	WHITE	IVORY	GREY	BLACK
Surface-Mount QuickPort® Box, 1 Port	41089-1WP	41089-1IP	41089-1GP	41089-1EP
Surface-Mount QuickPort Box, 2 Ports	41089-2WP	41089-2IP	41089-2GP	41089-2EP
Surface-Mount QuickPort Box, 4 Ports	41089-4WP	41089-4IP	41089-4GP	41089-4EP
Surface-Mount QuickPort Box, 6 Ports	41089-6WP	41089-6IP	41089-6GP	41089-6EP
Surface-Mount QuickPort Box, 12 Ports	41089-12W	41089-12I	41089-12G	41089-12E

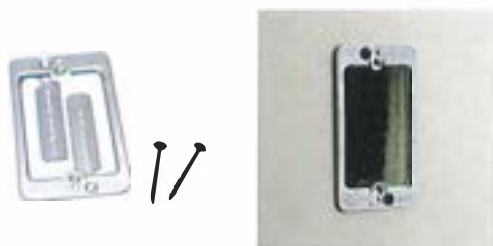
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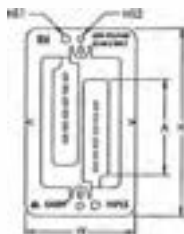


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Low Voltage Mounting Plate with Screws – MPLS



- Provides positive support with locking screws
- Makes wire "fishing" easier
- Install with a drywall saw and screwdriver
- Eliminates the need for an electrical box when installing low voltage Class 2 wiring



Part Number	MPLS
Material	Steel
Finish	Plain
Gang	1
Drywall Thickness	1/2" – 1 1/4"
Height [H]	4 1/4"
Width [W]	2 1/2"
A	2 3/8"
Hole Size 1 [HS1]	0.187"
Hole Size 2 [HS2]	0.15"
Certifications	cULus
Standard Packaging Quantity	100 pc
UPC	78285648635
EAN-13	8711893057058

For low voltage Class 2 use only.

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WARNING

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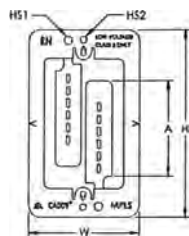
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Low Voltage Mounting Plate with Screws – MPLS2



- Provides positive support with locking screws
- Makes wire “fishing” easier
- Install with a drywall saw and screwdriver
- Eliminates the need for an electrical box when installing low voltage Class 2 wiring



Part Number	MPLS2
Material	Steel
Finish	Plain
Gang	2
Drywall Thickness	1/2" – 1 1/4"
Height (H)	4 1/4"
Width (W)	4 1/4"
A	2 3/8"
Hole Size 1 (HS1)	0.187"
Hole Size 2 (HS2)	0.15"
Certifications	cULus
Standard Packaging Quantity	100 pc
UPC	78285648670

For low voltage Class 2 use only.

UL, UR, cUL, cUR, cULus and cURus are registered certification marks of UL LLC.

WARNING

Pentair products shall be installed and used only as indicated in Pentair's product instruction sheets and training materials. Instruction sheets are available at erico.pentair.com and from your Pentair customer service representative. Improper installation, misuse, misapplication or other failure to completely follow Pentair's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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Customer Premise Cross-Connect Wire Spec. 5006

Product Construction

Conductors:

- 22 and 24 AWG solid bare annealed copper

Insulation:

- Flame-retardant semi-rigid PVC

Pairing:

- Two twists per foot minimum
- For ease of identification, a variety of different color options are available

Packaging

- 1000' spool (SP)
- Other lengths and put-ups are also available

Applications

- Suitable for voice and data transmission up to 4 Mbps
- For cross-connecting between terminals of a distribution frame or other premise equipment

Compliances

- NEC/CEC Type CM (UL 1685-2000)
- Category 2 compatible
- RoHS Compliant Directive 2011/65/EU

PRODUCT NUMBER	PAIRS	AWG	COLOR CODE				PKG./ CARTON	O.D. (INCHES)	WEIGHT (LBS/ KFT)
			PAIR 1	PAIR 2	PAIR 3	PAIR 4			
2114328	1	24	R/BK-BK/R				8	0.06	3
2114369	1	24	R/BL-BL/R				8	0.06	3
2114385	1	24	R/Y-Y/R				8	0.06	3
7023708	1	24	BL/W-W/BL				8	0.06	3
7041916	1	24	BL/Y-Y/BL				8	0.06	3
7023773	1	24	O/W-W/O				8	0.06	3
7023781	1	24	G/W-W/G				8	0.06	3
7036759	1	24	BK/W-W/BK				8	0.06	3
7023864	1	24	R/W-W/R				8	0.06	3
7023716	2	24	BL/W-W/BL	O/W-W/O			3	0.09	6
2114325	2	24	R/BL-BL/R	R/O-O/R			3	0.09	6
7023724	3	24	BL/W-W/BL	O/W-W/O	G/W-W/G		4	0.10	9
2114211	4	24	BL/W-W/BL	O/W-W/O	G/W-W/G	BR/W-W/BR	4	0.12	13
2114363	1	22	W/O-O/W				4	0.08	5
2114364	1	22	W/G-G/W				4	0.08	5
7041973	1	22	BL/W-W/BL				4	0.08	5
7042047	1	22	R/W-W/R				4	0.08	5
2114212	2	22	BL/W-W/BL	O/W-W/O			4	0.12	10

Data subject to change without notice.

Electrical Characteristics

	22 AWG 1 PR.	24 AWG 1-4 PR.
DC Resistance (max) Ohms/1000 ft @ 20°C	18.0	28.6
Characteristic Impedance Ohms @ 1 MHz (nom)	100	100

Customer Premise Cross-Connect Wire Spec. "F" • Spec 5008

Product Construction

Conductors:

- 24 AWG solid bare annealed copper

Insulation:

- Flame-retardant semi-rigid PVC

Pairing:

- Four twists per foot minimum

Packaging

- Supplied on non-returnable spools as shown in table (SP)

Applications

- Suitable for voice and data transmission up to 16 Mbps
- For cross-connecting between terminals of a distribution frame or other premise equipment

Compliances

- NEC/CEC Type CM (UL 1685-2000)
- Category 3 compatible
- RoHS Compliant Directive 2011/65/EU
- Telcordia (Bellcore) GR-1253 (Bellcore Specification TA-TSY-000130)

PRODUCT NUMBER	PAIRS	COLOR CODE			PKG.	PKG./ CARTON	O.D. (INCHES)	WEIGHT (LBS/KFT)
		PAIR 1	PAIR 2	PAIR 3				
2113055	1	O/W-W/O			1000' SP	8	0.07	3
2134023	1	G/W-W/G			1000' SP	8	0.07	3
2114327	1	BL/R-R/BL			1000' SP	8	0.07	3
2114375	1	R/W-W/R			1000' SP	8	0.07	3
2114374	1	BK/W-W/BK			1000' SP	8	0.07	3
7042500	1	BL/Y-Y/BL			1000' SP	8	0.07	3
7051543	1	BL/YBL			600' SP	8	0.07	3
2113054	1	BL/W-W/BL			1000' SP	8	0.07	3
2114355	1	R/W-W/R			600' SP	8	0.07	3
2114408	2	BL/W-W/BL	O/W-W/O		500' SP	8	0.09	7
7042518	2	BL/R-R/BL	O/R-R/O		1150' SP	4	0.09	7
2114307	2	BL/W-W/BL	O/W-W/O		1000' SP	4	0.09	7
7042526	3	BL/W-W/BL	O/W-W/O	G/W-W/G	600' SP	4	0.12	11

Data subject to change without notice.

Electrical Characteristics

	24 AWG
DC Resistance (max) Ohms/1000 ft @ 20°C	28.6
Coaxial Capacitance (max) microfarads/kft @ 23°C	0.15
Insulation Resistance (min) Megohm - kft @ 23°C	300

Cat 6 110-Style Wiring Blocks

Wall-Mount and Rack-Mount Blocks

APPLICATION

Leviton Cat 6 110-Style Wiring Blocks provide a centralized location to easily terminate 22-26 gauge solid copper wire for telephone, voice, and data applications. The wall-mount and rack-mount blocks exceed Category 6 channel requirements.



SPECIFICATION

The cross-connect shall be Category 6 110-style wiring blocks, available for wall or rack mount. They shall provide 110 terminations supporting voice, security, and Category 6 data applications, including high megabit and shared-sheath applications when used with Category 6 rated cabling. The components shall be UL listed and ANSI/TIA-568.2-D compliant. Plastic bases and blocks shall be made of fire-retardant plastic rated UL 94V-0.

FEATURES

- Available in wall-mount and rack-mount configurations
- Include labels, label holders, and Category 6 C-4 clips

DESIGN CONSIDERATIONS

- Ideal where space limitations and low cost are factors.
- Port ID options: Use the label strips and holders provided

STANDARDS COMPLIANCE

ANSI/TIA-568.2-D
cULus Listed

COUNTRY OF ORIGIN

Taiwan

PHYSICAL SPECIFICATIONS

Dimensions: See page two
Materials: 110 wiring bases are made of fire-retardant plastic rated UL 94V-0; C-4 clips are made of fire-retardant plastic rated UL 94V-0 with solder plated IDCs

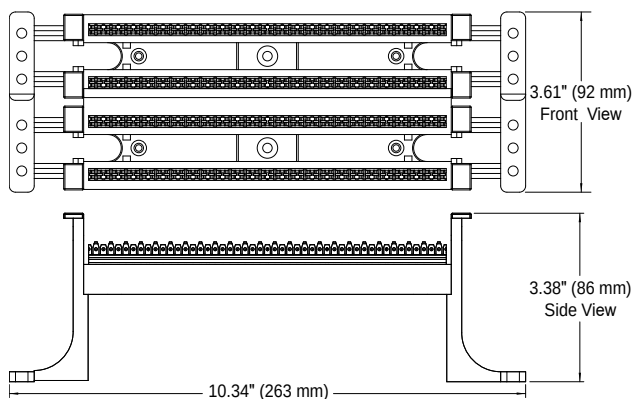
WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

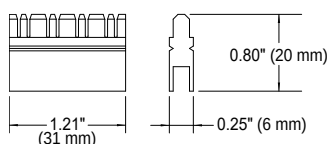
41AB6-xF4, 41DR6-1F4

ELECTRONIC FILES

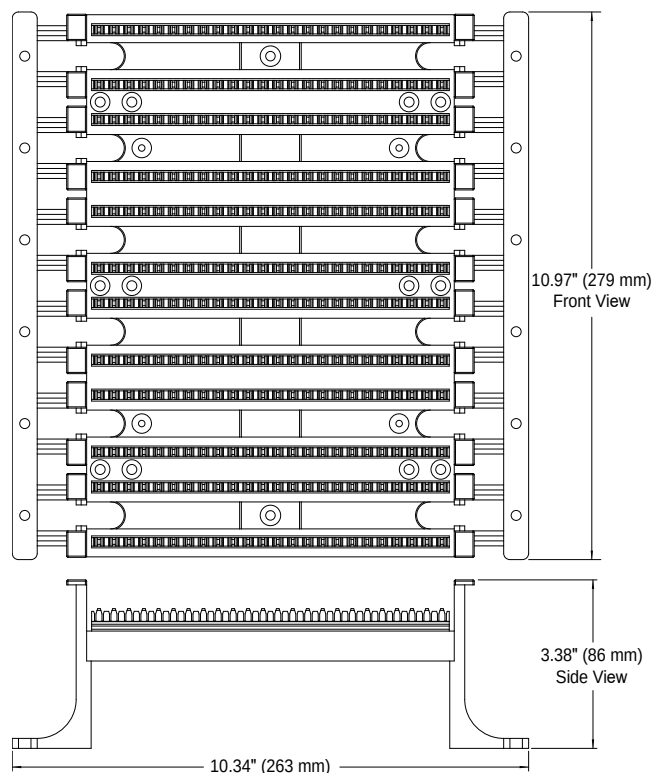
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



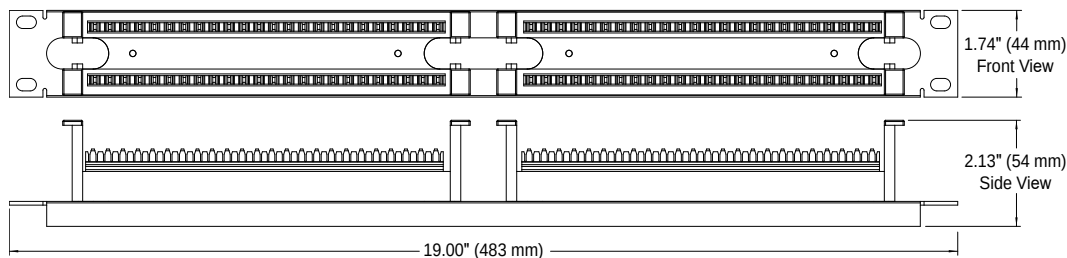
41AB6-1F4



69104-IDC



41AB6-3F4



41DR6-1F4

41AB6-xF4, 41DR6-1F4

PART NUMBERS

Description	Part No.
Cat 6 110-Style Wiring Block Kit, includes 96-pair block with legs, labels, and 24 C-4 clips	41AB6-1F4
Cat 6 110-Style Wiring Block Kit, includes 288-pair block with legs, labels, and 72 C-4 clips	41AB6-3F4
Cat 6 110-Style Rack-Mount Wiring Block Kit, includes 96-pair 1RU panel, labels, and 24 C-4 clips	41DR6-1F4
Wall-Mount Horizontal Cord Manager with legs	41A10-HCM
Rack-Mount Horizontal Cord Manager, 1RU	41D1R-HCM
Cat 6 110-Style C-4 Clips (bag of 10)	69104-IDC



110-Style Cross Connect Horizontal Cord Managers

APPLICATION

Leviton 110-Style Cross Connect Horizontal Cord Managers are designed to be placed in between wall-mount 110 wiring bases or rack-mount wiring panels for easy routing, organizing, and managing of patch cords.



SPECIFICATION

The horizontal 110 cord managers shall mount to a wall or backboard, or onto 300-pair mounting-frame basic or extension units, providing the capability to organize and contain patch cords. The cord managers shall comply with ANSI/TIA-568-B and ANSI/TIA-606 requirements, be UL listed, and be made of fire-retardant plastic rated UL 94V-0.

FEATURES

- Ideal for use where space limitations and low cost are a concern
- Available with or without standoff legs

DESIGN CONSIDERATIONS

- Mounts directly on wall or backboard, or onto 300-pair mounting-frame basic or extension units
- Position cord managers between 110 wiring bases
- Mounts on 19-inch distribution frame on hinged wall-mount bracket

STANDARDS COMPLIANCE

ANSI/TIA-568-B

ANSI/TIA-606

cULus Listed

PHYSICAL SPECIFICATIONS

Dimensions: See page two

Materials: Made of fire-retardant plastic rated UL 94V-0.
Panel back plates are made of black painted 16-gauge steel.

COUNTRY OF ORIGIN

Taiwan

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

41D10-HCM, 41D1R-HCM, 41A10-HCM

PRODUCT SPECIFICATIONS

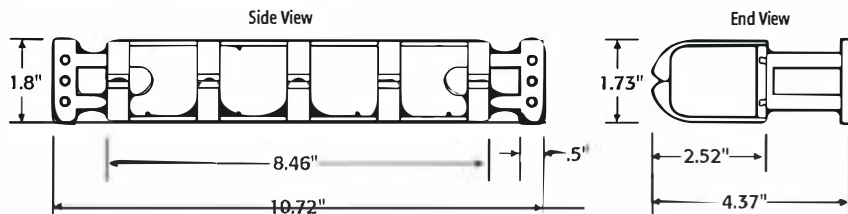
41D10-HCM, 41D1R-HCM, 41A10-HCM



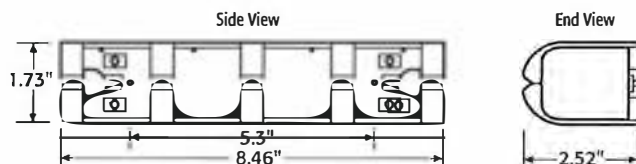
ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

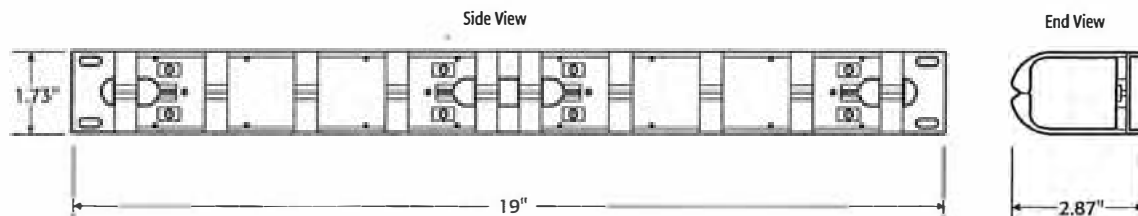
Horizontal Cord Manager with legs 41A10-HCM



Horizontal Cord Manager without legs 41D10-HCM



Rack-Mount Horizontal Manager 41D1R-HCM



41D10-HCM, 41D1R-HCM, 41A10-HCM

PART NUMBERS

Description	Part No.
110-Style Cross Connect Horizontal Cord Manager without legs	41D10-HCM
110-Style Cross Connect Horizontal Cord Manager with legs	41A10-HCM
110-Style Cross Connect Horizontal Cord Manager, Rack Mount	41D1R-HCM



BACKBOARD

 4'X4' Plywood Backboard, each

Includes materials and labor to mount a $\frac{3}{4}$ " deep, termite treated, construction standard type plywood backboard. Backboard will be painted on both sides prior to placement with two coats of white fire retardant paint.

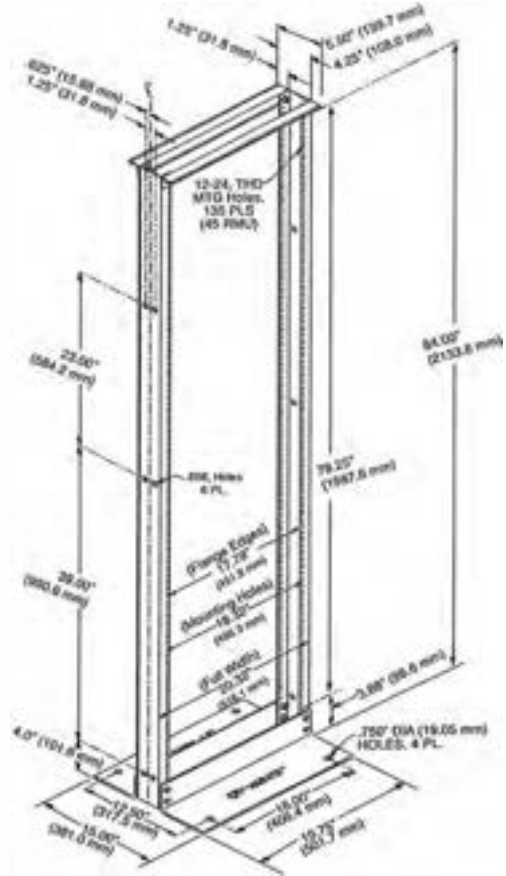
Product Cut Sheet

7', 8' & 9' STANDARD RACKS



The Standard Rack is designed for value conscious, high volume customers, who require the quality and service that sets CPI racks apart from the competition. The Standard Rack is a UL Listed communication circuit accessory designed specifically for use in telecommunications equipment installations where codes require UL Listed equipment racks. For a greater breadth of features, we recommend CPI Universal Racks.

- High strength aluminum construction
- Shipped with (2) top angles, (2) base angles, (2) 3"D (80 mm) equipment channels and assembly hardware
- Top angles allow J-bolt attachment without interfering with the top rack-mount unit space
- EIA-310-D Standard Universal 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) alternating hole pattern offers greater mounting flexibility and is fully compatible with conventional wide 1 1/4"-1/2" (31.8 mm-12.7 mm) alternating hole patterns
- Six web channel holes per side enable attachment of vertical cable managers or for multiple racks to be mounted together side by side
- High strength roll-formed threaded equipment mounting holes on the front and rear of the rack channel
- Rack-mount units (U) are marked and numbered to simplify equipment installation
- Includes 50 pilot point #12-24 mounting screws with combination Phillips/Straight heads to reduce cross-threading and installation time
- Integrated masked grounding studs on the inside of the rack channel for quick attachment to the Telecommunications Grounding System
- Computer beige, gray, clear grained, black and glacier white finish provides attractive appearance
- Ships unassembled, individually packaged, with assembly hardware and installation instructions. Bulk packaging is also available
- Redesigned shipping container saves space and freight costs
- Choose from three heights
- Weight capacity of 1000 lb (453.6 kg) — weight must be evenly distributed and rack must be properly secured to the floor
- UL and cUL Listed



7' (2.1 m) Rack Shown



Rack-mount units (U)
simplify equipment installation



Ground Studs located directly on
rack channel, speeds installation

Part Number	Description	Shipping Weight
55053-X03	19"EIA x 7'H (2.1 m) Standard Rack, 45U	32 lb (14.1 kg)
55053-X15	19"EIA x 8'H (2.4 m) Standard Rack, 52U	37 lb (16.8 kg)
55053-X08	19"EIA x 9'H (2.7 m) Standard Rack, 58U	40 lb (18.1 kg)

Note: X=Color: 1=Gray, 2=Computer Beige, 5=Clear, **7=Black**, E=Glacier White.

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CHATSWORTH PRODUCTS

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MODELS:

SRW12US / SRW12USG

SmartRack® Wall-Mount Rack Enclosure Cabinets



12 Rack Units



200 lb.
Load Rating



Sturdy Steel
Construction



Locking Doors
& Side Panels



Plexiglas®
Front Door
(SRW12USG
only)



Standard
19" Rack Width



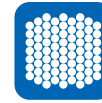
Convenient
Cable Access



Adjustable
Mounting Rails



Hinged Wall
Bracket



Ventilated for
Ample Airflow



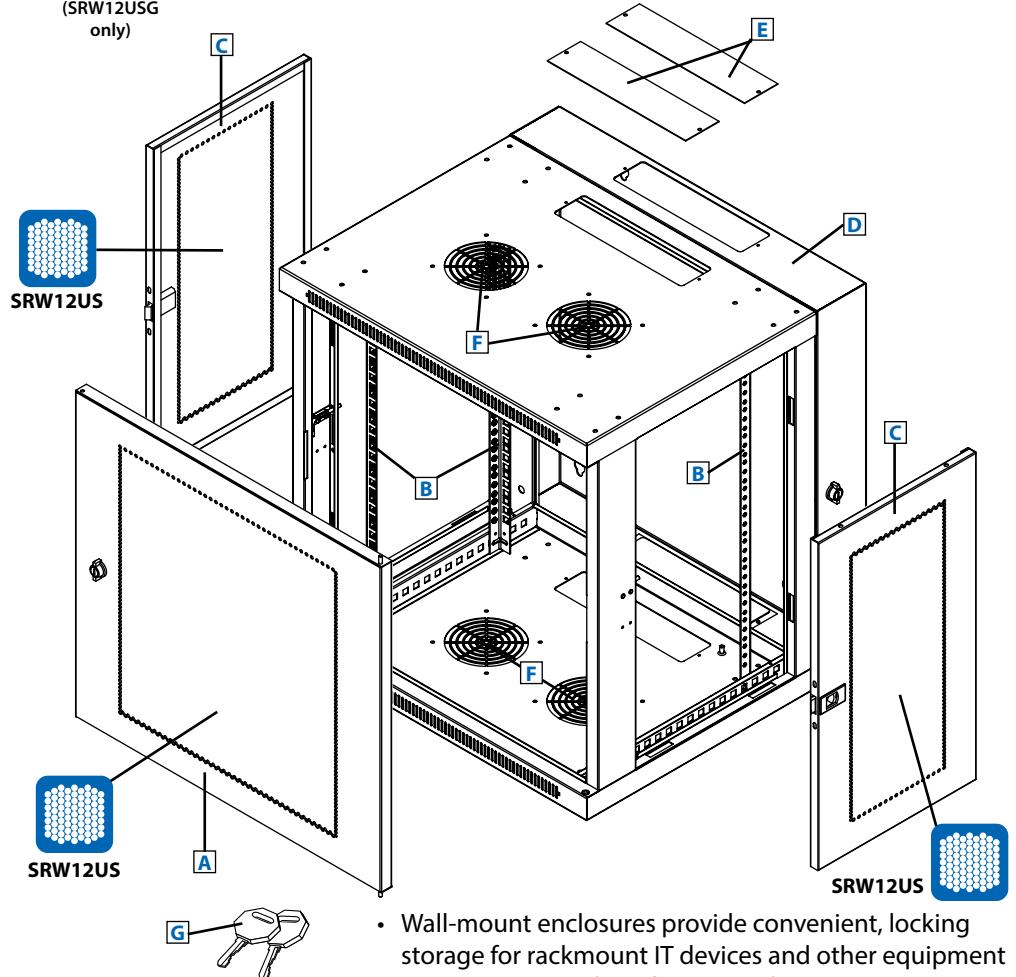
Reversible
Cabinet



Square Hole
Mounting

- A** Front Door
(Lockable/Removable/Reversible.
SRW12US door is perforated;
SRW12USG door has a Plexiglas® insert.)
- B** Adjustable Mounting Rails (4)
- C** Side Panels (2)
(Lockable/Removable)
- D** Hinged Wall Bracket
(Lockable/Reversible. Allows the cabinet
to swing away from the wall for convenient
rear access to equipment and cabling.)
- E** Cable Access Port Covers (2)
(Removable)
- F** Ventilation Fan Ports (4)
(Support optional SRFANWM fan kit.)
- G** Keys (2)

Also Includes: Owner's manual, mounting
plate screws (3), cabinet ground screw, pre-
installed front door ground wire and rackmount
equipment mounting hardware (12 cage nuts,
12 mounting screws, 12 nylon cup washers).



- Wall-mount enclosures provide convenient, locking storage for rackmount IT devices and other equipment that should be off the floor, out of the way and secure
- The cabinet is fully reversible, allowing installers to change door hinges from left to right by simply rotating the unit 180 degrees before mounting
- Hinged wall bracket allows cabinet to swing away from the wall for convenient access to equipment and cabling

SEE NEXT PAGE FOR DETAILED UNIT MEASUREMENTS



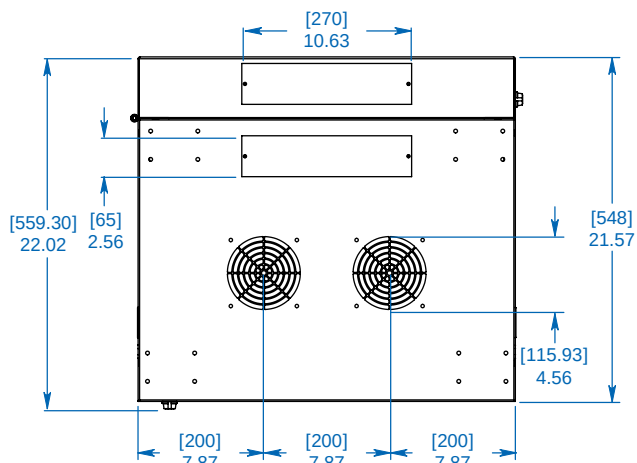
1111 W. 35th Street
Chicago, IL 60609 USA
773.869.1234
www.tripplite.com

Specifications

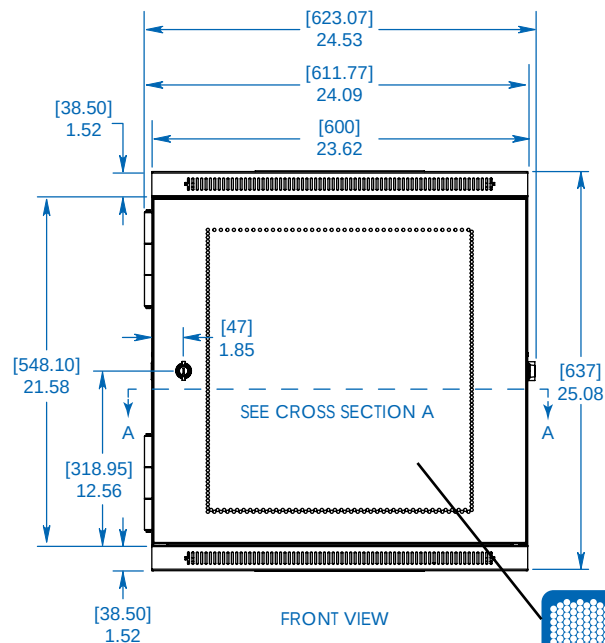
Models	SRW12US / SRW12USG
Rack Spaces	12U
Equipment Mounting Depth	Up to 20.5 in. (520.7 mm)
Load Rating*	200 lb. (90.7 kg)
Unit Dimensions [H x W x D]	25.08 x 24.53 x 21.57 in. (637 x 623.07 x 548 mm)
Shipping Dimensions [H x W x D]	27.95 x 26.38 x 24.41 in. (710 x 670 x 620 mm)
Unit Weight	60 lb. (27.21 kg)
Shipping Weight	64 lb. (28.8 kg) / 70 lb. (31.5 kg)
Regulatory Compliance	Meets EIA-310-D, IEC 60297-3-100, NOM, RoHS and PCI-DSS standards; IP20 Protection Rating

* The load rating includes the combined weight of the unit and installed equipment. The unit must be mounted to a stable surface with user-supplied anchors capable of bearing the full load.



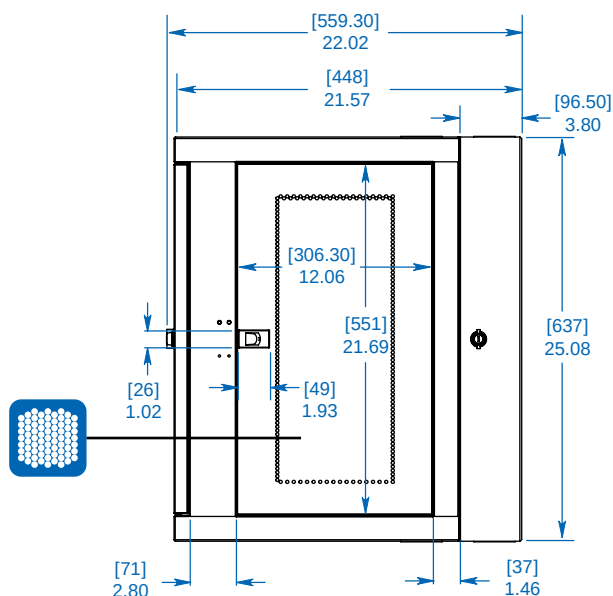


TOP/BOTTOM VIEW

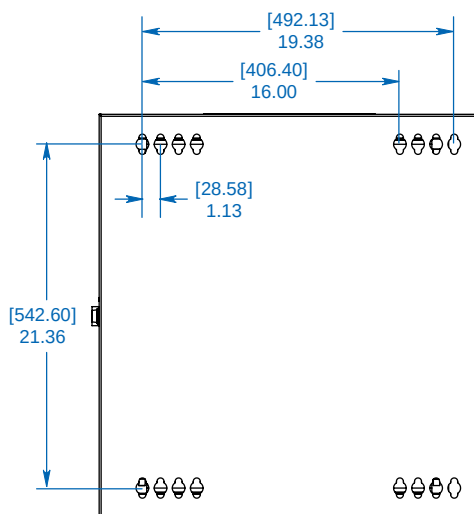


FRONT VIEW

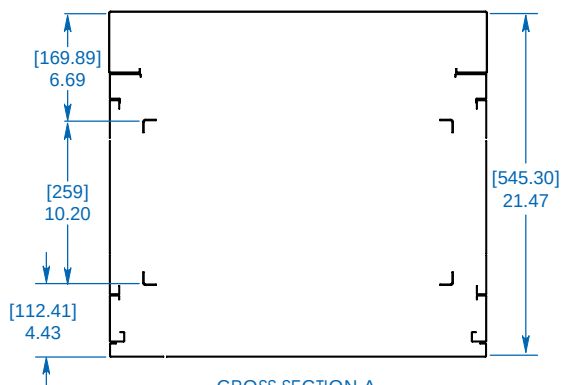
SRW12US



SIDE VIEW



REAR VIEW



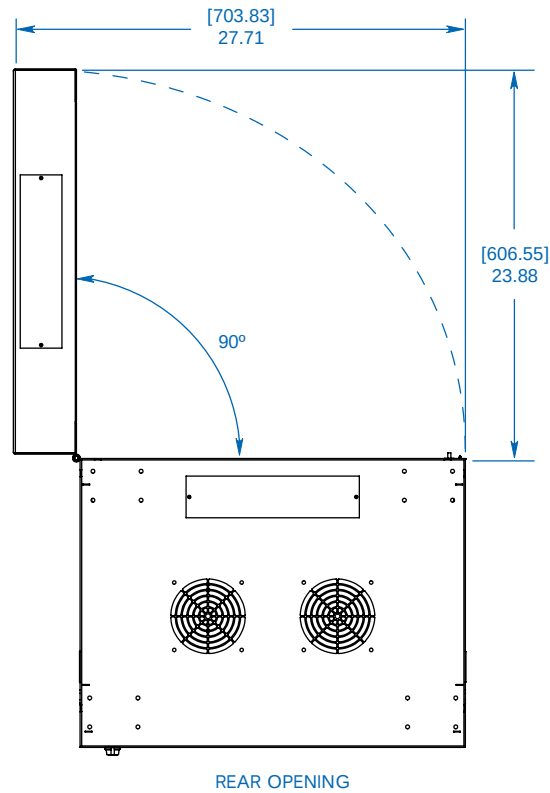
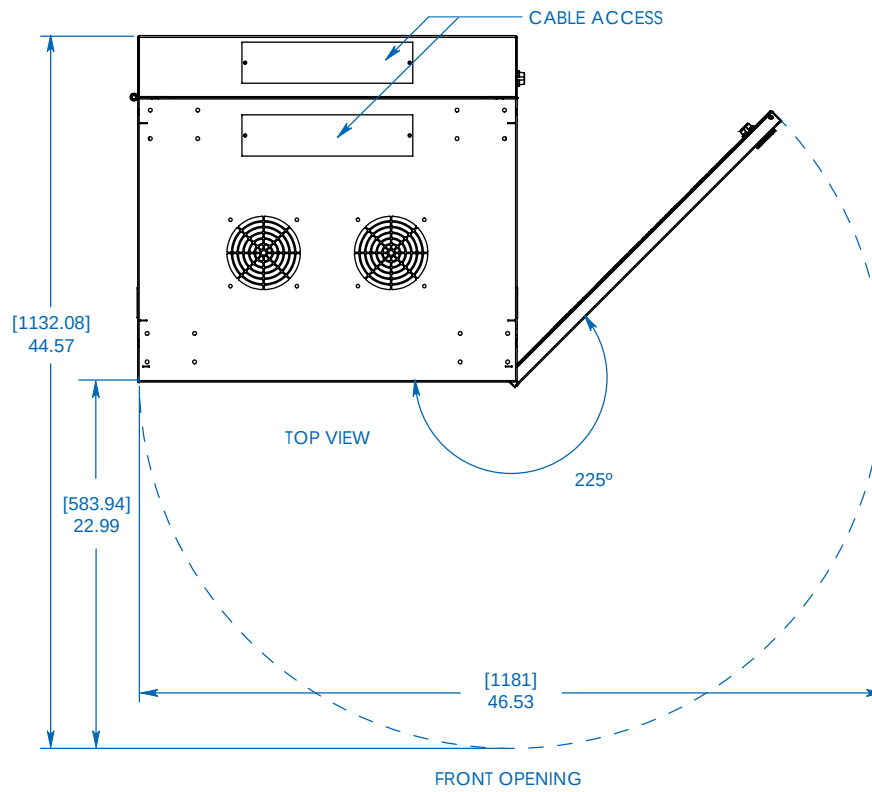
CROSS SECTION A
USABLE MOUNTING DEPTH

Dimensions: [mm] INCHES

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.

MODELS:
SRW12US / SRW12USG





Dimensions: [mm] INCHES

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.

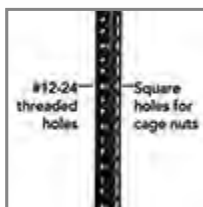
MODELS:
SRW12US / SRW12USG



1111 W. 35th Street
Chicago, IL 60609 USA
773.869.1234
www.tripplite.com

SmartRack 12U Server-Depth Wall-Mount Small Rack Enclosure, Hinged Back

MODEL NUMBER: SRW12US33



Wall-mount cabinet secures and organizes 12U of 19-inch rack equipment in network closets, classrooms and other locations with limited floor space. Houses equipment up to 32.5 inches deep, including 1U servers.

Description

The SRW12US33 SmartRack 12U Server-Depth Wall-Mount Rack Enclosure Cabinet is designed to house EIA-standard 19-inch rack equipment in network wiring closets, retail locations, classrooms, back offices and other areas with limited floor space where you need equipment to be secure, organized and out of the way. Constructed from heavy-duty steel with a durable black powder-coated finish, the cabinet has a maximum load capacity of 250 lbs (113.4 kgs).

The cabinet swings away from the wall on a sturdy hinge, allowing easy back-door access to equipment and cabling during installation and maintenance. The doors and side panels lock securely to help prevent damage, tampering or theft. The front, top, bottom and removable side panels are vented, which allows air to flow freely and keep equipment cool. The reversible doors can open left or right by rotating the cabinet 180° before mounting. Convenient top and bottom ports allow easy cable routing.

The SRW12US33 comes fully assembled and ready to mount to the wall, or use Tripp Lite's optional SRCASTER rolling caster kit to make it a mobile rack. Square and 12-24 threaded mounting holes and numbered rack spaces make equipment installation easy. The vertical mounting rails adjust in 7/8-inch increments to accommodate equipment up to 32.5 inches deep, such as 1U servers, UPS systems, battery packs, network switches and patch panels.

Features

Saves Valuable Workspace

- Perfect for network wiring closets, retail locations, classrooms, back offices and other areas with limited floor space where you need equipment to be secure, organized and out of the way
- Houses deep EIA-standard 19 in. rack equipment in 12U of space
- Maximum load capacity of 250 lbs (113.4 kgs)

Hinged Cabinet for Convenient Access

- Swings away from the wall to allow easy back-door access to equipment and cabling during installation and maintenance
- Rotate cabinet 180° before mounting to open reversible doors left or right

Highlights

- Maximum load capacity of 250 lbs (113.4 kgs)
- Swings away from wall on hinge for easy back-door access
- Locking steel cabinet vented at sides, front, top and bottom
- Flow-through ventilation keeps equipment cool
- Secures 12U of 19 in. rack equipment up to 32.5 in. deep

Package Includes

- SRW12US33 SmartRack 12U Server-Depth Wall-Mount Rack Enclosure Cabinet
- (36) M6 screws
- (36) M6 cage nuts
- (36) M6 washers
- (36) 12-24 screws
- (2) Keys
- Owner's manual

Keeps Important Equipment Secure

- Side panels and doors lock securely to help prevent damage, tampering or theft
- Vented panels allow generous airflow that keeps equipment cool
- Convenient ports with removable covers allow cable routing through top and bottom

Easy Enclosure and Equipment Installation

- Ships fully assembled for quick installation
- Mounts to wall or rolls on floor with Tripp Lite's optional SRCASTER caster kit
- Wall-mounting holes spaced 16 in. apart for standard wall stud placement
- Vertical mounting rails adjust in 7/8 in. increments to accommodate equipment up to 32.5 in. deep, such as 1U servers, UPS systems, battery packs, network switches and patch panels
- Rails support square-hole or 12-24 threaded-hole mounting
- Rack spaces numbered for easy reference

Meets Payment Card Industry Standards

- Provides physical equipment and media security required for PCI DSS (Payment Card Industry Data Security Standard) compliance

Specifications

OVERVIEW	
UPC Code	037332156044
Device Compatibility	Patch Panel; Network Switch; UPS; Server
Rack Type	Small Enclosure
PHYSICAL	
Color	Black
Rack Height	12U
Rack Depth	Mid
Factory Preset Rack Depth (in.)	25.99
Factory Preset Rack Depth (cm)	66.0
Factory Preset Rack Depth (mm)	660
Maximum Device Depth (cm)	82.55
Maximum Device Depth (in.)	32.5
Maximum Device Depth (mm)	826
Minimum Device Depth (cm)	7.62
Minimum Device Depth (in.)	3
Minimum Device Depth (mm)	76
Cable Access Hole Measurement (inches)	9.812 x 2.35 (l x w)

Shipping Dimensions (hwd / in.)	30.20 x 26.10 x 36.06
Shipping Dimensions (hwd / cm)	76.71 x 66.29 x 91.59
Shipping Weight (lbs.)	110.60
Shipping Weight (kg)	50.17
Unit Dimensions (hwd / in.)	25.100 x 23.600 x 33.500
Unit Dimensions (hwd / cm)	63.5 x 60 x 85.09
Unit Weight (lbs.)	100
Unit Weight (kg)	45.36
Weight Capacity - Stationary (kg)	113
Weight Capacity - Stationary (lbs.)	250
Number of Vertical Mounting Rails	4
FEATURES & SPECIFICATIONS	
Grounding Details	Front and Back door frames
Pre-Installed Casters	No
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; EIA/ECA-310-E; UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	5-year limited warranty

MODELS:

SRW18USDP / SRW18USDPG

SmartRack® Wall-Mount UPS-Depth Rack Enclosure Cabinet



18 Rack Units



250 lb.
Load Rating



Sturdy Steel
Construction



Locking Doors
& Side Panels



Clear Acrylic
Front Window
(SRW18USDPG only)



Hinged Wall
Bracket



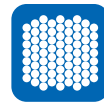
Standard
19" Rack Width



Convenient
Cable Access



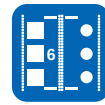
Adjustable
Mounting Rails



Ventilated for
Ample Airflow



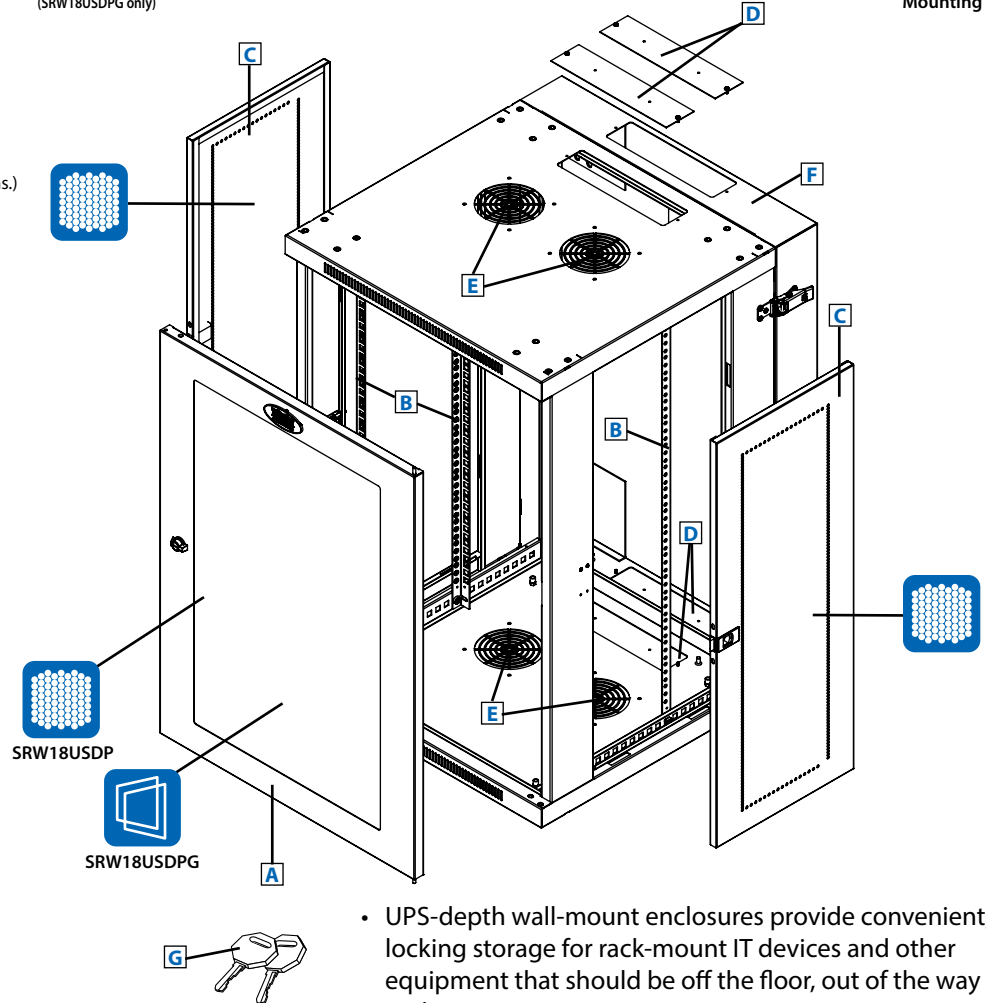
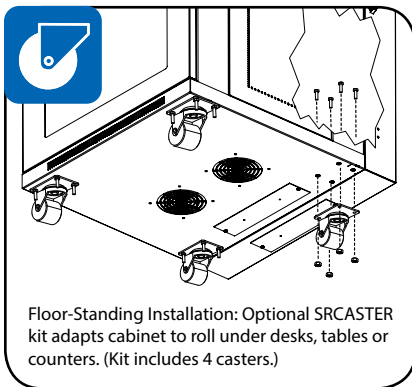
Reversible
Cabinet



Square/
Threaded Hole
Mounting

- A** Front Door
(Lockable/Removable/Reversible.
SRW18USDP door is perforated;
SRW18USDPG door has a clear acrylic window.)
- B** Adjustable Mounting Rails (4)
(Support square and threaded hole mounting options.)
- C** Side Panels (2)
(Lockable/Removable)
- D** Cable Access Port Covers (4)
(Removable)
- E** Ventilation Fan Ports (4)
(Support optional SRFANWM fan kit.)
- F** Hinged Wall Bracket
- G** Keys (2)

Also Includes: Owner's manual, cabinet ground screw, pre-installed front door ground wire and rack-mount equipment mounting hardware (42 cage nuts, 42 M6 mounting screws, 42 #12-24 x 5/8" mounting screws, 42 nylon cup washers).



- UPS-depth wall-mount enclosures provide convenient, locking storage for rack-mount IT devices and other equipment that should be off the floor, out of the way and secure
- The cabinet is fully reversible, allowing installers to change door hinges from left to right by simply rotating the unit 180 degrees before mounting
- Hinged wall bracket allows cabinet to swing away from the wall for convenient access to equipment and cabling

SEE NEXT PAGE FOR DETAILED UNIT MEASUREMENTS

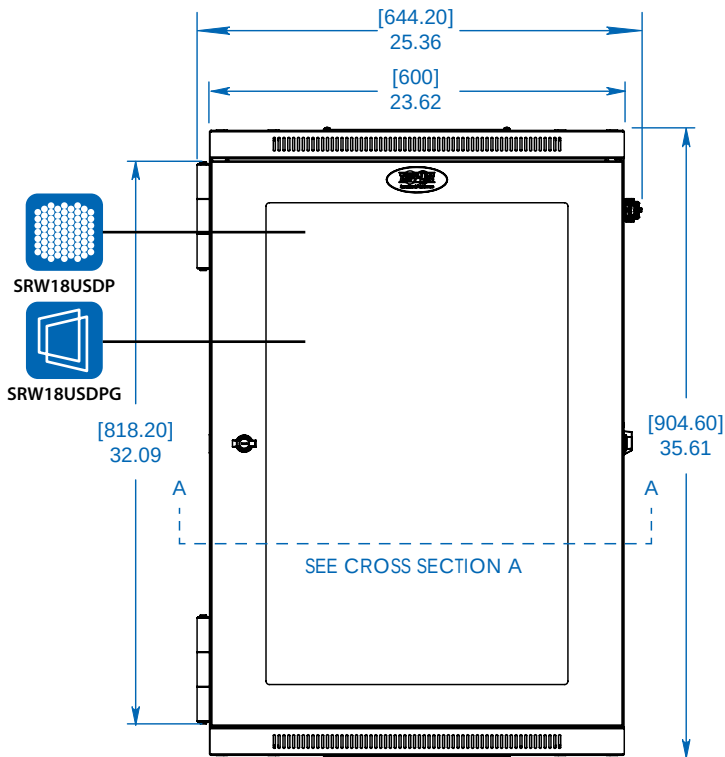


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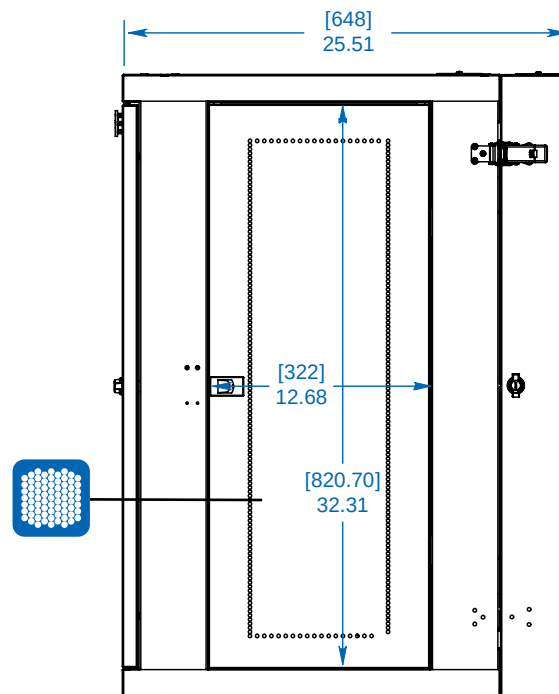
Specifications

Model	SRW18USDP / SRW18USDPG
Rack Spaces	18U
Equipment Mounting Depth	Up to 24.5 in. / 622 mm
Load Rating*	250 lb. / 113 kg
Unit Dimensions (H x W x D)	35.61 x 23.5 x 25.98 in. / 905 x 597 x 660 mm
Shipping Dimension (H x W x D)	40.95 x 26.77 x 27.56 in. / 1040 x 680 x 700 mm
Unit Weight	100.9 lb. / 46 kg (SRW18USDP) 99.6 lb. / 45 kg (SRW18USDPG)
Standards	Tested to UL/CSA 60950-1, IEC 60297-3-100, RoHS, NOM (Mexico), EIA/ECA-310-E, GOST; PCI Compliant, IP20 Protection Rating

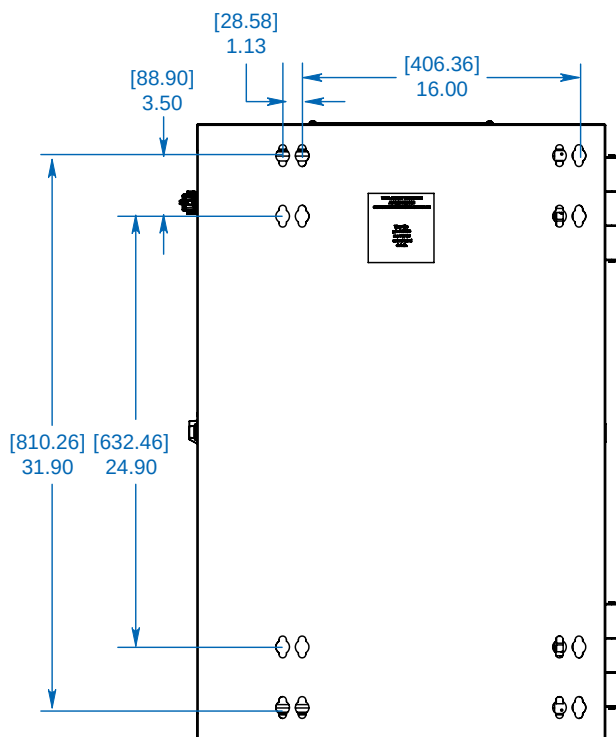
* The load rating includes the combined weight of the unit and installed equipment. The unit must be mounted to a stable surface with user-supplied anchors capable of bearing the full load.



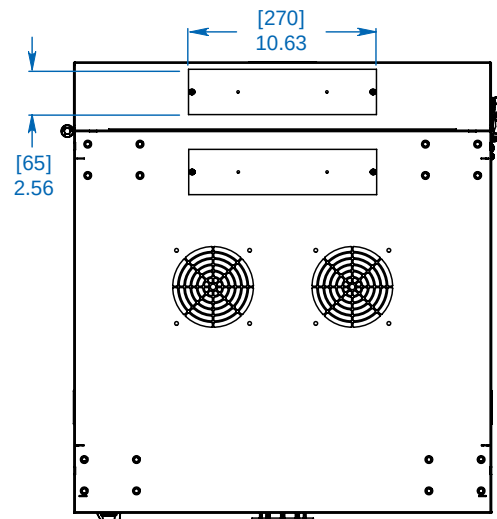
FRONT VIEW



SIDE VIEW



REAR VIEW



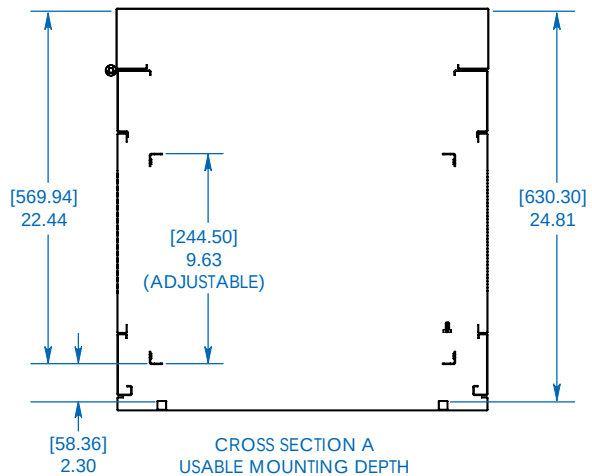
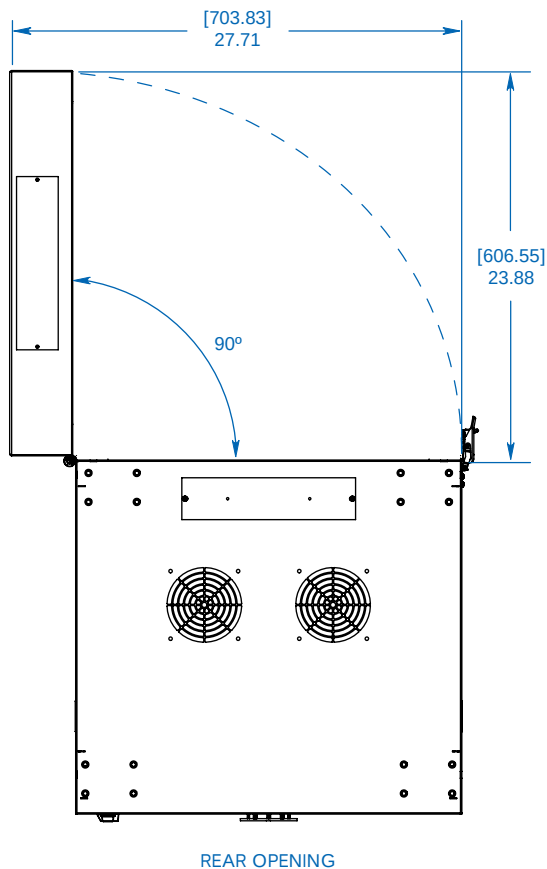
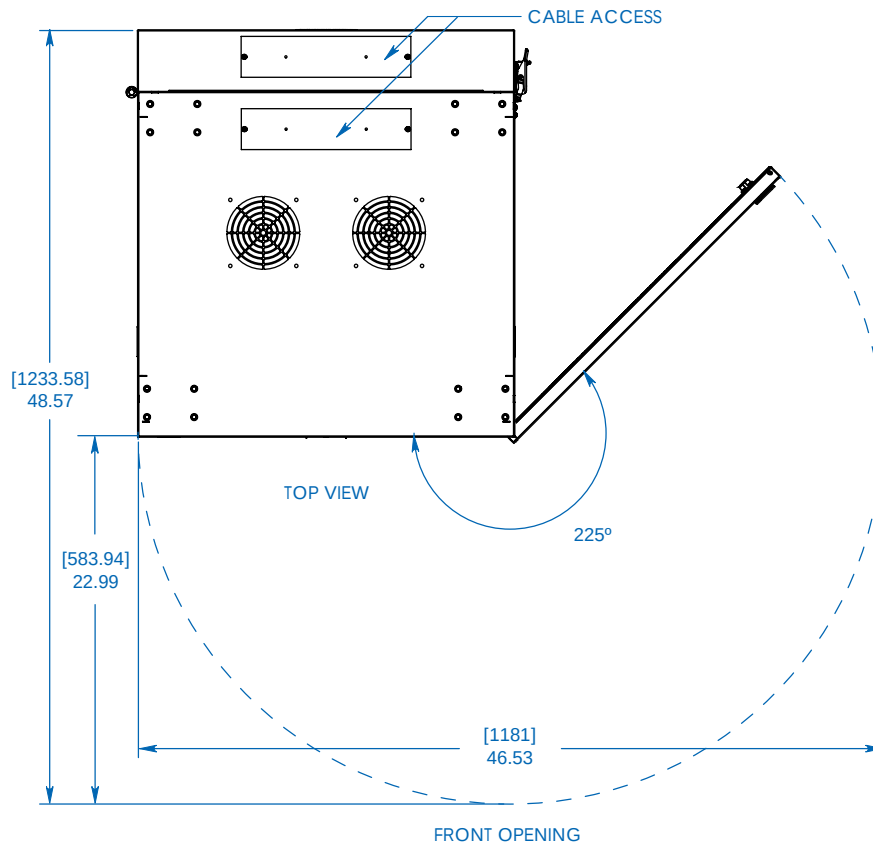
TOP/BOTTOM VIEW

Dimensions: [mm] INCHES

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MODELS:
**SRW18USDP /
SRW18USDPG**

TRIPP·LITE



MODELS:
SRW18USDP /
SRW18USDPG



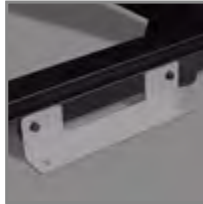
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Dimensions: [mm] INCHES

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42U SmartRack Standard-Depth Rack Enclosure Cabinet, Threaded 10-32 Mounting Holes with doors & side panels

MODEL NUMBER: **SR42UB1032**



Description

The SR42UB1032 houses 3000 lbs (1360.8 kgs) of standard 19-inch rack equipment in 42U. Its front and rear pairs of vertical rails have threaded 10-32 mounting holes that are adjustable in quarter-inch increments from 4 to 37 inches. Adjustment is quick and an easy-view depth index ensures consistent rail placement without requiring time-consuming measurements. Each rack space within the enclosure is numbered for ready reference.

The SR42UB1032 features a massive front-to rear-ventilation capacity that meets or exceeds server manufacturer requirements. Its integrated baying tabs make it easy to combine multiple enclosures in rows for data center applications. This enclosure is also compatible with hot-aisle/cold-aisle configurations.

With its locking, reversible, removable front and rear doors, and locking, removable side panels, the SR42UB1032 provides ultimate equipment safety. The side panels are half size for ease of removal and reinstallation. The split rear door design allows the enclosure to be placed closer to a wall. The SR42UB1032 meets all requirements toward PCI DSS compliance.

The top panel of the SR42UB1032 is vented to help remove warm air from the enclosure and draw in cool air by convection. The top panel includes ports for cable routing, and can be quickly removed without tools. To facilitate cable access, the SR42UB1032 is open-bottom.

All components of the SR42UB1032 are grounded to the enclosure frame. Front and rear threaded grounding points are provided for connection to the facility earth ground. The removable front and rear doors feature quick-release ground wires.

To simplify deployment, the SR42UB1032 comes with preinstalled casters that enable it to be easily maneuvered into the desired location, where it can be secured by adjusting the preinstalled levelers. Note: the casters are intended for minor position adjustments and are not designed for moving the enclosure over long distances.

The SR42UB1032 comes with a 5-year product warranty. As part of the SmartRack family, the SR42UB1032 is compatible with Tripp Lite's extensive range of rackmount accessories, enabling you to customize your solution to meet any requirement.

Features

- Ships fully assembled for rapid deployment and roll into place on heavy-duty pre-installed casters (casters are removable)
- Front and rear sets of equipment mounting rails adjust in 1/4" increments. Adjustment is quick and convenient. The easy-view depth index ensures consistent rail placement without requiring time-consuming measurements.

Highlights

- 42U SmartRack enclosure with doors and side panels
- 4 interior vertical posts with threaded 10-32 mounting holes
- Standard 24" (600mm) width and 42" (1050mm) depth for optimizing floor space
- Ships fully assembled
- Massive front to rear ventilation capacity
- 3000 lbs (1360.8 kgs) stationary / 2250 lbs (1020.6 kgs) rolling load capacity
- Locking, removable, reversible front and rear doors
- Locking, removable side panels keyed alike with doors
- Pre-installed casters and leveling feet
- Rolls through standard 7-ft. (2.13 m) doorway
- Meets all enclosure requirements towards PCI DSS (Payment Card Industry Data Security Standard) Compliance

Package Includes

- SR42UB1032 Rack Enclosure
- (4) side panels
- (4) side panel locks
- (2) door & side panel keys
- Mounting Hardware
- Owner's Manual

- Toolless accessory mounting rails (2 rails per enclosure) include slots for quick installation of compatible PDUs and vertical cable managers. Mounting slots are arranged in an industry-standard pattern compatible with a wide variety of accessories. Each rail can accommodate two vertical PDUs or cable managers side-by-side (four items per enclosure).
- Textured powder coat finish for tough resistance to environmental concerns such as deployment in warehouses.
- Massive front to rear ventilation capacity. 65+% open space in door perforation pattern meets or exceeds server manufacturer requirements.
- Maximum usable internal depth of 37 inches/94 cm (front to rear rail).
- Weight ratings of 3000 lbs (1360.8 kgs) stationary and 2250 lbs (1020.6 kgs) rolling.
- Front door is locking, reversible and removable.
- Rear doors are locking and reversible. Split rear door design reduces clearance requirements for service entry allowing the enclosure to be placed closer to a wall.
- Locking removable side panels are 'half size' to make them smaller and lighter improving ease of installation and servicing. Two side panels per side (4 panels total). Side panels are keyed alike to the front and rear doors.
- Built in baying tabs allow enclosures to be combined securely in rows. Center-to-center width can be set at 600mm or 24" to match standard data center floor tiles.
- Leveling feet extend to allow enclosure to be positioned on uneven floors. Levelers are removable.
- Compact design allows the enclosure to roll through standard height commercial doorways.
- Convenient grounding system. All components are grounded to the enclosure frame which includes multiple connections for facility ground. Front and rear doors include quick-release ground wires.
- Open bottom for cable access.
- Top panel has generous cable access holes. Panel can be removed toollessly in seconds without having to disconnect cables first.
- Included stabilizing brackets are used for shipment and can be reattached at the bottom of the enclosure frame on the inside or outside of the rack.
- Meets all enclosure requirements towards PCI DSS (Payment Card Industry Data Security Standard) Compliance
- Compatibility with airflow optimization accessories as well as cable management accessories.

Specifications

OVERVIEW	
UPC Code	037332175359
Device Compatibility	Patch Panel; Network Switch; UPS; Server
Rack Type	Enclosure
PHYSICAL	
Color	Black
Rack Height	42U
Rack Depth	Standard
Factory Preset Rack Depth (in.)	27.75
Factory Preset Rack Depth (cm)	70.5
Factory Preset Rack Depth (mm)	705



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Maximum Device Depth (cm)	93.98
Maximum Device Depth (in.)	37
Maximum Device Depth (mm)	940
Minimum Device Depth (cm)	10.16
Minimum Device Depth (in.)	4
Minimum Device Depth (mm)	102
Shipping Dimensions (hwd / in.)	85.00 x 26.00 x 45.50
Shipping Dimensions (hwd / cm)	215.90 x 66.04 x 115.57
Shipping Weight (lbs.)	336.00
Shipping Weight (kg)	152.41
Unit Dimensions (hwd / in.)	78.500 x 23.630 x 43.000
Unit Dimensions (hwd / cm)	199.39 x 60.02 x 109.22
Unit Weight (lbs.)	286
Unit Weight (kg)	129.73
Weight Capacity - Rolling (kg)	1,021
Weight Capacity - Rolling (lbs.)	2250
Weight Capacity - Stationary (kg)	1,361
Weight Capacity - Stationary (lbs.)	3000
Number of Vertical Mounting Rails	4
FEATURES & SPECIFICATIONS	
Grounding Details	Front and back door frames
Built-in Cable Management	Yes
Pre-Installed Casters	Yes
STANDARDS & COMPLIANCE	
Product Certifications	UL 60950-1
Product Compliance	RoHS; CE (Europe); UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	5-year limited warranty



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MODEL:

SR2POST25

25U SmartRack® Open Frame Rack



25 Rack Units



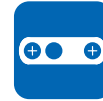
800 lb.
Stationary
Load Capacity



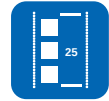
Standard 19-inch
Rack Width



Toolless
Mounting Slots



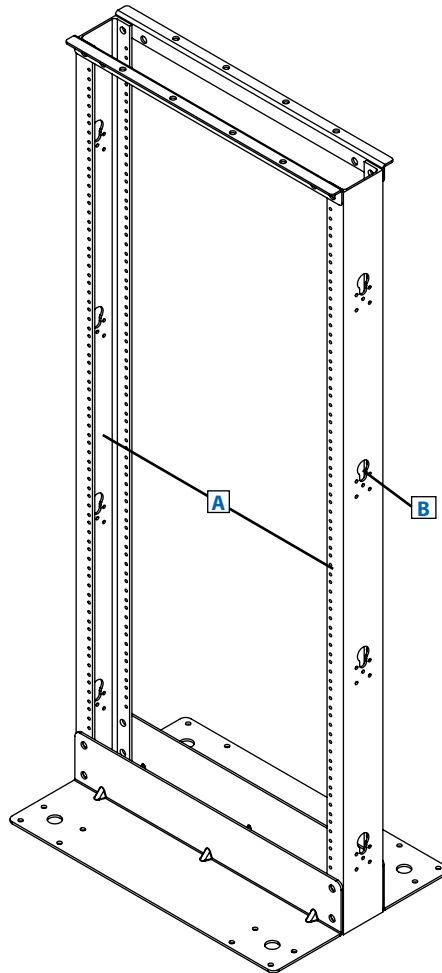
Integrated
Baying Tabs



Square Hole
Mounting

- A** Mounting Rails (2)
- B** Toolless Button Holes
(for vertical PDUs or cable managers)

Also Includes: Owner's manual, installation hardware, rackmount equipment mounting hardware (28 screws, 28 washers) and cable management hooks.



- Ships disassembled for easy transport and assembly in tight spaces
- Modular design optimized for quick configuration and reconfiguration
- Multiple units can be bolted together side by side
- Ideal for space-constrained or cost-conscious 19-inch rackmount applications

Specifications

Model	SR2POST25
Rack Spaces	25U
Stationary Load Capacity	800 lb. (362.9 kg)
Unit Dimensions (H x W x D)	49 x 20.3 x 13.5 in. (1244.6 x 515.62 x 343 mm)
Shipping Dimensions (H x W x D)	4.5 x 6.5 x 52.4 in. (114 x 165 x 1331 mm)
Unit Weight	23 lb. (10.43 kg)
Shipping Weight	24 lb. (10.89 kg)
Regulatory Compliance	Meets EIA-310-D, NOM (Mexico), IEC 60297-3-100, and RoHS standards

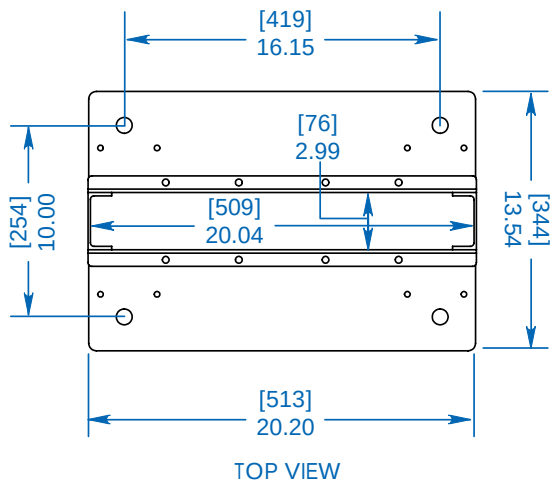
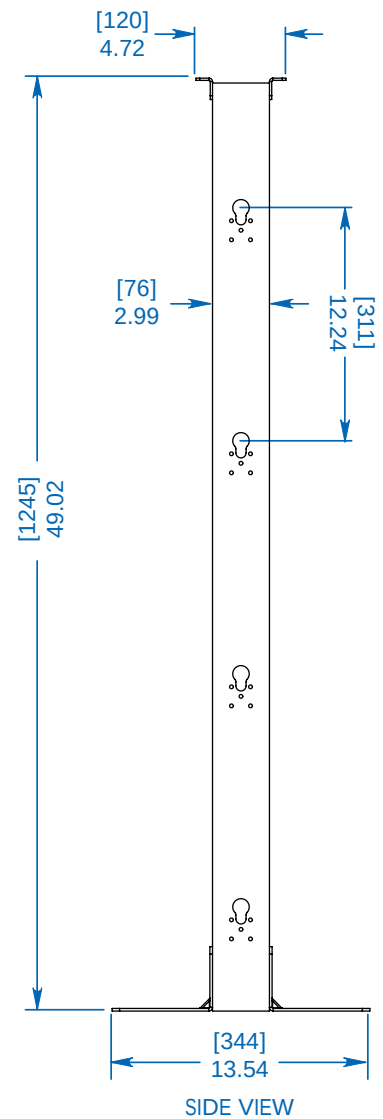
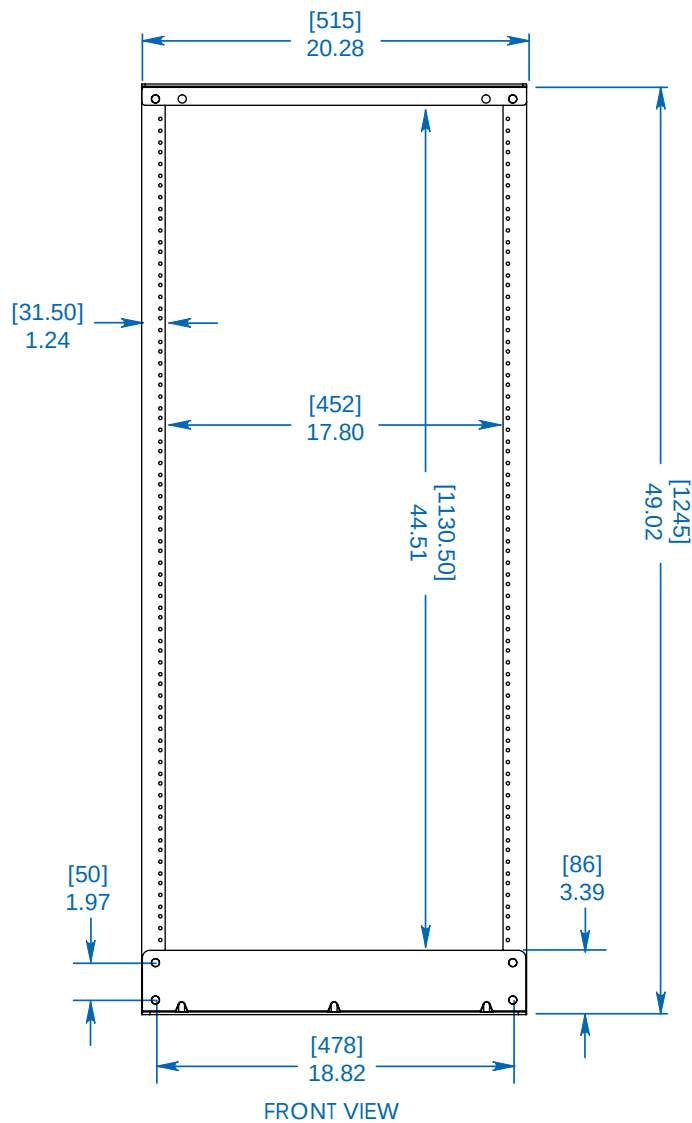
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SEE NEXT PAGE FOR DETAILED UNIT MEASUREMENTS



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Dimensions: [mm] INCHES

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MODEL:
SR2POST25

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25U SmartRack 4-Post Open Frame Rack - Organize and Secure Network Rack Equipment

MODEL NUMBER: SR4POST25



Highlights

- 25U 4-post open frame rack
- Black steel with square, numbered mounting holes
- Toolless button holes to accept PDUs or cable managers

Package Includes

- SR4POST25
- Installation hardware
- 32x pieces of M6 cage nuts, screws, and washers for equipment mounting
- 18x Cable management hooks
- Owner's manual with warranty information

Description

Tripp Lite's 25U 4-Post Open Frame Rack helps IT managers organize their equipment array and provides fast, easy access to installed IT equipment. The SR4POST25 is a simple solution for housing IT equipment in secure environments and other areas that don't require a lockable rack solution. This 25U rack features heavy-duty cold-rolled steel construction with a black powder-coated finish for durability. It supports stationary loads up to 1000 lbs (453.6 kgs). The SR4POST25 comes with all the hardware required for assembly and has a self-squaring design with bolt-down provisions. For high-density applications, multiple units can be bolted together side by side.

The open design of the SR4POST25 provides unobstructed airflow and easy access to equipment and cabling. It has numbered, square-hole mounting positions for easy installation of standard 19-inch rack equipment. The SR4POST25 supports equipment depths from 22 to 36 inches. This rack also accommodates toolless button-hole mounting for vertical PDUs and cable managers.

Features

- Supports 1000 lbs (453.6 kgs) of rackmount equipment
- Adjustable mounting depth (22 to 36 inches)
- Textured powder coat finish
- Heavy-duty cold-rolled steel construction
- Numbered mounting positions
- Bolt down provisions
- Self squaring design
- Black finish
- Easy assembly

Specifications

OVERVIEW	
UPC Code	037332157942



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Device Compatibility	Patch Panel; Network Switch; UPS; Server
Rack Type	Open-Frame
PHYSICAL	
Color	Black
Rack Height	25U
Rack Depth	Standard
Maximum Device Depth (cm)	91.44
Maximum Device Depth (in.)	36
Maximum Device Depth (mm)	914
Minimum Device Depth (cm)	55.88
Minimum Device Depth (in.)	22
Minimum Device Depth (mm)	559
Shipping Dimensions (hwd / in.)	6.50 x 4.53 x 53.70
Shipping Dimensions (hwd / cm)	16.51 x 11.51 x 136.40
Shipping Weight (lbs.)	49.00
Shipping Weight (kg)	22.23
Unit Dimensions (hwd / in.)	49.300 x 20.200 x 39.300
Unit Dimensions (hwd / cm)	125.2 x 51.3 x 55.9~91.44 (depth adjustable)
Unit Weight (lbs.)	45
Unit Weight (kg)	20.41
Weight Capacity - Stationary (kg)	454
Weight Capacity - Stationary (lbs.)	1000
Number of Vertical Mounting Rails	4
Assembly Required	Yes
FEATURES & SPECIFICATIONS	
Grounding Details	Includes a set of screws, bolts, and washers to secure a user-supplied grounding wire to Front and Back frames
Built-in Cable Management	No
Extra Wide	No
Pre-Installed Casters	No
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; EIA/ECA-310-E
WARRANTY & SUPPORT	



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Product Warranty Period (Worldwide)	5-year limited warranty
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CUBE-iT® Wall-Mount Cabinet

CUBE-iT® Wall-Mount Cabinet provides a secure, easy-to-install, swing-out storage solution for information and communications technology (ICT) equipment. Attractive design, security features and range of optional fan kits make it ideal for public areas or equipment rooms with limited floor space.



ADVANTAGES



Easy Access to Equipment

- Three-part, swing-out design enables easy access to the front and rear of installed equipment



Modern, Sleek Design

- Attractive design with multiple door styles and colors make it suitable for use in public areas outside of telecommunications rooms
- Low-decibel, dual-fan kit option provides quiet operation while keeping active equipment cool



Retrofit Capability

- Removable top and bottom rear panels with a rectangular knockout are perfect for retrofit deployments over existing equipment and cabling



Increased Security

- A single lock and key on the front door provides access to the cabinet; the rear section is only accessible via an internal latch inside the front door



High Load Rating

- 300 lb (136 kg) UL 2416 Listed load rating supports heavier equipment



Cable Management Features and Options

- A host of optional cable management accessories help keep cables neat and organized

KEY FEATURES

- Three-part, swing-out design allows access and service to the front and rear of equipment
- A single lock and key (CH751) on the front door provides access to the entire cabinet
- Rear panel includes 1" (25.4 mm) and 3" (76 mm) knockouts, and can accept 3/4" (19 mm) and 2.5" (63.5 mm) conduit. The 3" (76 mm) knockouts include edge-protection grommets
- Rear panel features cable tie and attachment points for accessory rack-mount brackets
- UL® 2416 Listed, 300 lb (136 kg) load rating
- Internal latch mechanism secures the rear panel; slim-profile does not impact cabling space
- Hinge design allows the installer to remove the rear panel for easier installation on the wall
- Cabinet body includes one pair of adjustable depth 19" EIA threaded equipment mounting rails
- Cable pass-through knockout with optional brush seal makes it ideal for retrofit installations
- Optional low-decibel (31 dB), dual-fan kit provides quiet operation while cooling equipment
- Factory-prepped bonding feature provides convenience and reduces installation time
- Ships fully assembled



SPECIFICATIONS

Description	Wall-mount enclosure with lockable front door and swing-out rear access to equipment
Use	For indoor use only, in environmentally controlled areas; may not be used outdoors, in harsh environments, or in air-handling spaces
Available Sizes	• Heights: 24" (610 mm), 36" (910 mm) and 48" (1220 mm) • Widths: 24" (610 mm); 19" EIA rack-mount • Depths: 18" (460 mm), 24" (610 mm), 30" (760 mm)
Usable Interior Space	• Heights: 12U, 19U, 26U • Widths: 19" EIA rack-mount • Depths: refer to dimensional drawings on page 2
Cable Access	• (8) 1" (25.4 mm) and 3" (76 mm) knockouts, 4 top/4 bottom. Knockouts can accept 3/4" (19 mm) or 2.5" (63.5 mm) conduit • (4) Edge-protection grommets are included for the 3" (76 mm) knockouts • Removable top/bottom panel on rear panel *Can't remove while under load; must remove center chassis • (1) Rectangular knockout, 9"W x 2.2"D (230 mm x 55 mm)
Equipment Support	(1) Pair L-shaped equipment mounting rails in the main cabinet body • 19"W, EIA-310-D compliant • Universal hole pattern, 5/8"-5/8"-1/2" vertical hole spacing • Threaded #12-24 equipment mounting holes • 5"D (130 mm) rear panel punched to accept accessory equipment mounting brackets, see dimensional drawings on page 2 • Includes 50 each #12-24 equipment mounting screw

Global Availability

US & Canada

Simi Valley, CA
800-834-4969

Canada

Toronto, Ontario, Canada
+905-850-7770

chatsworth.com • techsupport@chatsworth.com

Europe

Buckinghamshire, UK
+44-1628-524-834

Middle East & Africa

Dubai, UAE
+971-4-2602125

Doha, Qatar
+974-4-267422

Latin America

+52-55-5203-7525
Toll Free within Mexico
800-201-7592
chatsworth.com.co

Asia Pacific

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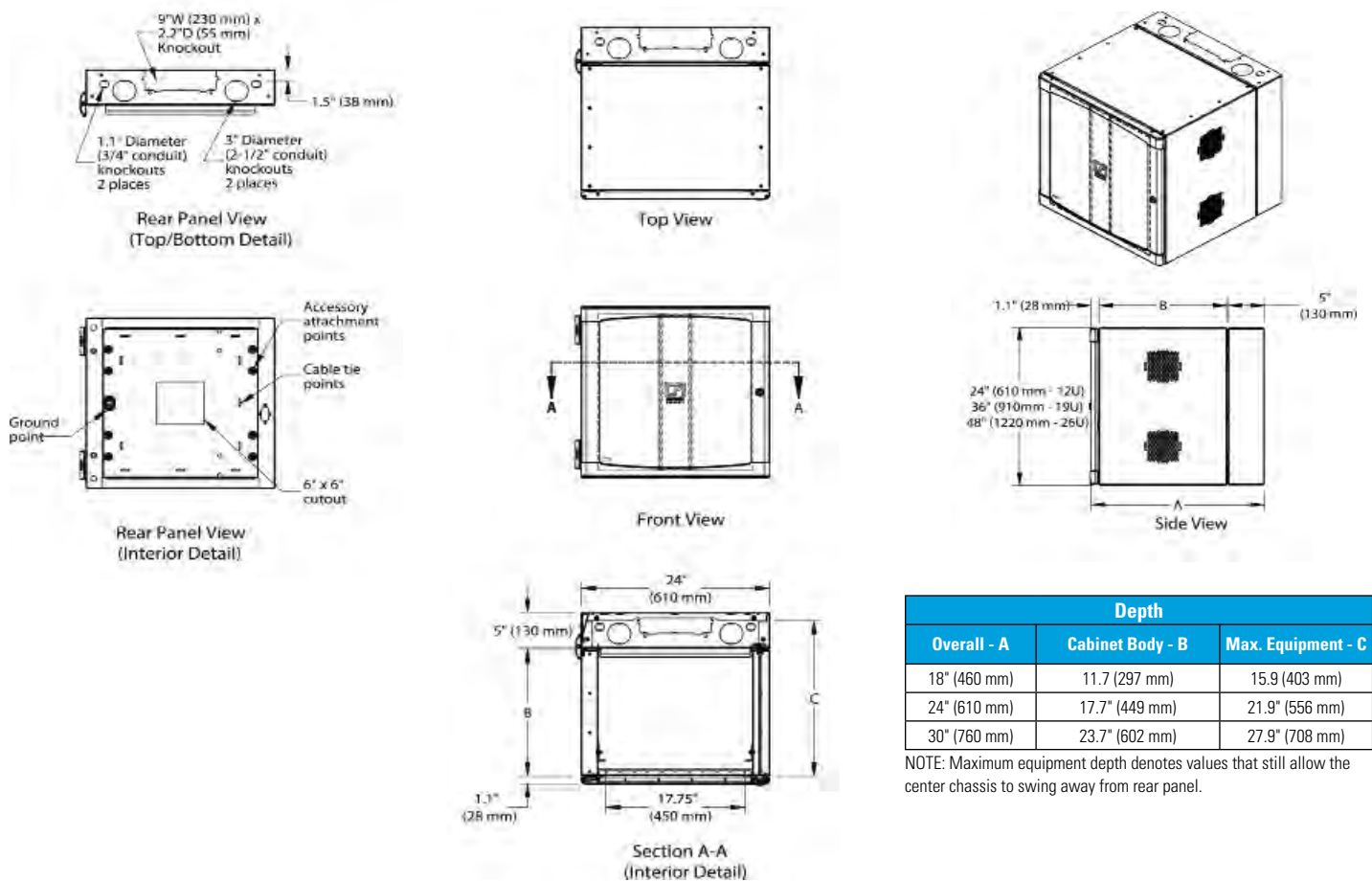
SPECIFICATIONS

Load Capacity	300 lbs (136 kg) of equipment, open or closed
Certifications	• UL-2416 • cUL CSA C22.2 • UL 508A: Type 1 • NEMA Type 1 • IEC 60529 IP20
Material	• Steel sheet cabinet body, rear panel and door • Door is extruded metal frame with solid metal or tinted tempered glass panel • Equipment mounting rails are aluminum
Construction	Riveted and bolted
Finish	Powder coat paint Black or Glacier White

RELATED ACCESSORIES

- Universal Cable Runway
- Rack-Mount Shelf
- Foot Kit for CUBE-iT Wall-Mount Cabinet
- Saf-T-Grip® Straps
- Horizontal Rack Busbar
- Horizontal Switched eConnect® PDU
- RIM-750
- Ground Jumper

DIMENSIONS:



Space-Saving Design and Easy Access to Equipment

CUBE-iT Wall-Mount Cabinets feature highly functional elements to provide class-leading support and storage of ICT equipment. CUBE-iT Cabinets allow easy access to the front and rear of the cabinet, making it ideal for telecommunications rooms. Additionally, high airflow vent pattern and optional low-decibel, dual-fan kit provides equipment cooling without interfering noise. The new modern, sleek design with range of options make the cabinet ideal for use in office spaces, conference rooms, classrooms, or any public spaces where floor space is limited.

The swing-out, three-part design secures equipment while maintaining ease of access for serviceability. CUBE-iT Wall-Mount Cabinet is accessed by a keyed lock on the front door. Once unlocked, an internal latch is accessible just inside the front door on the main chassis. Simply turn the lever to release the main chassis from the wall to gain access to the rear of equipment. Additionally, the cabinet is configurable for right or left swing.

The cabinet body delivers exceptional strength and rigidity. The UL 2416 Listed 300 lb (136 kg) load-rating provides tested support for heavier equipment. For an updated look with a robust, high-quality viewing panel, the front door has an optional tempered glass window. Use CUBE-iT Wall-Mount Cabinet to meet growing demands, Power over Ethernet (PoE) deployments, faster wireless and premise networks, audio and video equipment, security and monitoring equipment and smart building initiatives.

The removable top and bottom rear panels feature a rectangular cable pass-through knockout with optional brush seals, providing a larger opening for cables that can accept patch panels, making CUBE-iT a great solution for retrofit and existing infrastructure, or for use with factory-terminated structured cabling.

CUBE-iT Wall-Mount Cabinet is available in three heights and three depths to support 12U, 19U or 26U of equipment.

ORDERING INFORMATION:

CUBE-iT Wall-Mount Cabinets

- Attaches to the wall with included installation hardware
- Available in 12U, 19U and 26U heights, with solid metal or tempered glass door options
- All cabinet styles are 24"W (610 mm)
- Includes CH751 keyed lock

Part Number	Cabinet Depth	Door Style	Shipping Weight lb (kg)
24"H (610 mm) CUBE-iT Cabinet			
11890-X24	18" (460 mm)	Solid	90 (40.9)
11901-X24	18" (460 mm)	Tempered Glass	90 (40.9)
11840-X24	24" (610 mm)	Solid	101 (45.9)
11900-X24	24" (610 mm)	Tempered Glass	101 (45.9)
11996-X24	30" (760 mm)	Solid	112 (50.9)
12419-X24	30" (760 mm)	Tempered Glass	112 (50.9)
36"H (910 mm) CUBE-iT Cabinet			
11890-X36	18" (460 mm)	Solid	114 (51.8)
11901-X36	18" (460 mm)	Tempered Glass	114 (51.8)
11840-X36	24" (610 mm)	Solid	128 (58.2)
11900-X36	24" (610 mm)	Tempered Glass	128 (58.2)
11996-X36	30" (760 mm)	Solid	142 (64.5)
12419-X36	30" (760 mm)	Tempered Glass	142 (64.5)
48"H (1220 mm) CUBE-iT Cabinet			
11890-X48	18" (460 mm)	Solid	139 (63.2)
11901-X48	18" (460 mm)	Tempered Glass	139 (63.2)
11840-X48	24" (610 mm)	Solid	155 (70.5)
11900-X48	24" (610 mm)	Tempered Glass	155 (70.5)
11996-X48	30" (760 mm)	Solid	171 (77.7)
12419-X48	30" (760 mm)	Tempered Glass	171 (77.7)

Note: X=Color; 7=Black and E=Glacier White



P/N 11900-724 shown

ACCESSORIES:



Standard Fan and Filter Kit for CUBE-iT Wall-Mount Cabinet

- Pressurizes interior of the cabinet, forcing warm air out of open vents
- Assembly Includes 1 fan, 1 filter, and 1 vent cover
- Noise Level: 39 dB (measured at 3' (1 m) distance)
- Airflow: 115 CFM (170 CMH)
- 6'L (1.8 m) NEMA 5-15P/6-15P Power Cord

Part Number	Description	Shipping Weight lb (kg)
40972-001	115 Volt, 50/60 Hz, 5-15P power cord	2 (0.8)
40972-002	230 Volt, 50/60 Hz, 6-15P Power cord	2 (0.8)
40973-001	Replacement Filter Kit, Pack of 5	2 (0.8)



Low-Decibel Dual-Fan and Filter Kit for CUBE-iT Wall-Mount Cabinet

- Pressurizes interior of the cabinet, forcing warm air out of open vents
- Assembly Includes 2 fans and 2 filters
- Noise Level: 31 dB (measured at 3' (1 m) distance)
- Recommended placement on bottom right and left sides of the cabinet
- Airflow: 120 CFM (204 CMH)
- 6'L (1.8 m) NEMA 5-15P/6-15P Power Cord

Part Number	Description	Shipping Weight lb (kg)
40975-001	115 Volt, 50/60 Hz, 5-15P power cord	4 (1.8)
40975-002	230 Volt, 50/60 Hz, 6-15P Power cord	4 (1.8)
40973-001	Replacement Filter Kit, Pack of 5	2 (0.8)



Vertical Cabling Section for CUBE-iT Wall-Mount Cabinet

- Attaches to the outside edge of equipment mounting rails
- 4U height; openings align with rack-mount unit spaces on equipment mounting rails
- Sold in pairs
- Order additional kits as-needed per cable management requirements

Part Number	Description	Shipping Weight lb (kg)
40970-704	4U, 7"H x 0.5"D (178 mm x 13 mm)	3 (1.4)
40970-707	7U, 12.3"H x 0.5"D (311 mm x 13 mm)	3 (1.4)
40970-711	11U, 19.3"H x 0.5"D (489 mm x 13 mm)	4 (1.8)

Color is black.



Vertical Lashing Bracket for CUBE-iT Wall-Mount Cabinet

- Provides multiple lashing points for premise cables
- Attaches to center chassis with included hardware
- Adjustable front-to-rear

Part Number	Description	Shipping Weight lb (kg)
40971-X24	24"H x 4"W (610 mm x 100 mm)	4 (1.8)
40971-X36	36"H x 4"W (910 mm x 100 mm)	6 (2.7)
40971-X48	48"H x 4"W (1220 mm x 100 mm)	8 (3.6)

Note: X=Color; 7=Black and E=Glacier White

ACCESSORIES:

**Cable Port Brush Kit for CUBE-iT Wall-Mount Cabinet**

- Optional cover when rectangular knockout on the rear panel is removed
- Seals opening around cables with brush seal
- Sold in pairs

Part Number	Description	Shipping Weight lb (kg)
25190-000	0.8"H x 10.6"W x 2.9"D (20 mm x 268 mm x 74 mm)	2 (0.9)

**Horizontal Wire Management Bar for CUBE-iT Wall-Mount Cabinet**

- Attaches to the rear of the equipment mounting rails
- Secures premise cables after termination on patch panels
- Includes mounting hardware and 12 cable ties

Part Number	Description	Shipping Weight lb (kg)
11837-701	1.5"H x 19.3"W x 3.7"D (38 mm x 490 mm x 94 mm)	4 (1.8)

**Equipment Mounting Rail Kit for CUBE-iT Wall-Mount Cabinet**

- Use with equipment that needs front and rear support
- Sold in pairs
- Aluminum material

Part Number	Description	Shipping Weight lb (kg)
12787-524	12U; For 24"H (610 mm) cabinet	4 (1.8)
12787-536	19U; For 36"H (910 mm) cabinet	6 (2.7)
12787-548	26U; For 48"H (1220 mm) cabinet	8 (3.6)

Note: CUBE-iT Wall-Mount includes one pair of Equipment Mounting Rails

**Rack-Mount Shelf**

- For use with small equipment such as modems, routers and fiber modules in 19" EIA racks
- 1U; Includes multiples tie-down points
- Supports up to 20 lb (9.1 kg) of equipment

Part Number	Description	Shipping Weight lb (kg)
40974-X19	Rack-Mount Shelf, 1U x 19"W x 10"D (483 mm x 250 mm)	4 (1.8)

Note: X=Color; 7=Black and E=Glacier White

**90° Mounting Bracket for CUBE-iT Cabinets**

- Attaches to rear panel on CUBE-iT Cabinets
- Creates a 19" EIA x 2U vertical rack-mount space
- 2 brackets per kit, 3.9"H x 1"W x 4"D
(99 mm x 25.4 mm x 101.6)

Part Number	Description	Shipping Weight lb (kg)
13285-501	2U, 1 pair, Clear finish	3 (1.4)

**Ground Jumpers**

- Provide common bonding from equipment rack or cabinet to halo conductor
- Available individually or in packages of 10
- Constructed of UL Listed components

Part Number	Description	Shipping Weight lb (kg)
40159-009	9' (2.7 m) Ground Jumper, 1 Each	2 (0.9)
40159-019	9' (2.7 m) Ground Jumper, 10 Each	20 (1.9)

**LED Light Kit for CUBE-iT Cabinets**

- Attaches to the bottom, top or side of CUBE-iT Cabinets
- Toggle switch, 4W LED light
- Detachable, 120 VAC with NEMA 1-15P Power Cord

Part Number	Description	Shipping Weight lb (kg)
12803-701	LED Light Kit, 4W, 120 Vac	2 (0.9)

**Power Strip for CUBE-iT Cabinets**

- Select straight or locking plug style
- 115 VAC; 15 Amp or 20 Amp
- 10'L (3 m) power cord and circuit breaker
- Includes (8) 5-20R outlets

Part Number	Description	Shipping Weight lb (kg)
12820-701	15A Power Strip, NEMA 5-15P	4 (1.8)
12820-702	15A Power Strip, NEMA L5-15P	4 (1.8)
12820-705	20A Power Strip, NEMA 5-20P	4 (1.8)
12820-706	20A Power Strip, NEMA L5-20P	4 (1.8)

Note: Surge-protected options available

**Foot Kit for CUBE-iT Wall-Mount Cabinet**

- For use on desktops or floor when not installed on a wall
- Pack of 4

Part Number	Description	Shipping Weight lb (kg)
13483-001	Foot Kit	2 (0.9)



CPI now offers Extended Limited Warranties on CPI-Branded Electronic products, available for two additional years beyond the expiration of the Original Warranty Period (3 years).

Contact CPI Customer Service, or visit www.chatsworth.com/warranty for more information.

Interested in learning more about CUBE-iT Enclosure solutions? Call us at 800-834-4969, or email Technical Support at techsupport@chatsworth.com.



CHATSWORTH PRODUCTS

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WIREMOLD® Tele-Power® Poles

Bring Wire & Cable Down to Business

Routing power, data, and A/V – neatly and simply – from up there to down here; that's what Tele-Power® Poles are all about. Their sole purpose is to get the business end of your wire and cabling needs down to your workstation, equipment, or modular furniture. Specifically, in away-from-the-wall locations in open commercial office areas, schools, labs, stores, nurses stations, and other sites.

Whatever power, data, or A/V wiring you need to bring down to the desk, workstation, or cash registers, Wiremold Tele-Power Poles handle all of your needs effortlessly. For modular office furniture – our poles easily provide the hook up to feed office partitions. The poles are also available with specialized electrical circuits such as dedicated/isolated ground. Vertical drop poles give you the flexibility and capacity to devote both sides of the pole for single or dual service feeds. Legrand/Wiremold offers the broadest selection of open space solutions. With standard, custom and configurable products, you can rest assured that the right solution is readily available and adaptable to your current and future work environments.



The right vertical solution
for any situation.

FEATURES & BENEFITS

- **Promote sustainable design.** Allowing services to be routed to the center of an open space rather than by building a wall increases the use of natural daylight and reduces energy consumption.
- **Bring power, data, and A/V services into open space environments quickly & easily.** Easy to install. Reduces costs for moves, adds and changes.
- **Wide selection of standard options.** Stocked in a variety of materials, finishes, sizes, and device configurations. Provides what you want, when you need it.
- **Relocatable.** Ready for service in 30 minutes or less. Can be quickly reconfigured or relocated as work space uses and service needs change.
- **Dual-channel.** Allows a single drop point for access to multiple services.
- **Accessory packs included.** Furnished with feed fittings, ceiling trim plates, T-Bar mounting hardware, and carpet/floor grippers. Everything you need for a complete and stationary installation accommodating a variety of installation scenarios.
- **Custom capabilities.** Modify receptacle type and location, change color finish, alter pole heights, add fixture whips and more. Affording you more choice in appearance and configuration.
- **On-site configurability.** In-field modifications, including adding devices and changing the height, make Tele-Power poles even more flexible.
- **A/V Compatibility.** 30TP Series are now compatible with A/V devices to allow for a full range of services to your work stations.
- **Datcom connectivity options.** Accepts industry standard and proprietary devices from a wide range of manufacturers to provide a seamless and aesthetically pleasing interface for voice, data, audio, and video applications at the point of use.
- **New TPP-E Series Tele-Power Pole Extenders combine quick installation with easy job-site handling.** Snap together 5' sections to create a pole or extend the length of your existing 25TP series pole. These new extenders accommodate a variety of ceiling heights, can ship UPS or air freight for quick & reliable delivery.

New Tele-Power
Pole Extenders make
transporting and
installing power poles
a snap, literally.



Field Modifications for Tele-Power Poles

MODIFICATION	TELE-POWER POLE SERIES									
	30TP-4V	30TC-4V	30TP-2V	30TC-2V	25DTP-4	25DTP-4D	25DTC-4	AMDTP-4	AMDTP-4D	AMTC-4
Can the receptacles in the standard pole be rewired in order to have a two circuit pole with standard duplexes?	Yes	N/A	Yes	N/A	No	Yes	N/A	No	Yes	N/A
Can the receptacles in the standard pole be replaced with other types? (i.e. Hospital Grade, TVSS, GFCI, etc.)	Yes – Using the proper device cover	N/A	Yes – Using the proper device cover	N/A	Yes – with 2507C Bracket & only with NEMA duplex receptacles	Yes – only with NEMA duplex receptacles	N/A	Yes – with 2507C Bracket & only with NEMA duplex receptacles	Yes – only with NEMA duplex receptacles	N/A
Can receptacles be added to blank poles?	N/A	Yes	N/A	Yes – Using the proper device cover	N/A	N/A	Yes	N/A	N/A	Yes
Can blank poles be used for furniture feed applications by field punching KOs on poles for power and voltage?	N/A	Yes	N/A	Yes	N/A	N/A	Yes	N/A	N/A	Yes
Can more than one add-on device cover be used?	N/A	N/A	N/A	N/A	Yes	Yes	N/A	Yes	Yes	N/A
Can receptacles be installed in both sides of the pole?	Yes – Power only on both sides	Yes – Power only on both sides	N/A	N/A	No	No	N/A	No	No	N/A
Can poles be field cut for use in lower ceiling applications?	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*
Can poles be mounted to hard or open ceilings?	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**	Yes**

* Review instruction sheet for instructions for cutting poles.

** Pole housing cannot be penetrated. Ceiling mounting hardware must provide firm support and must be supplied by installer.

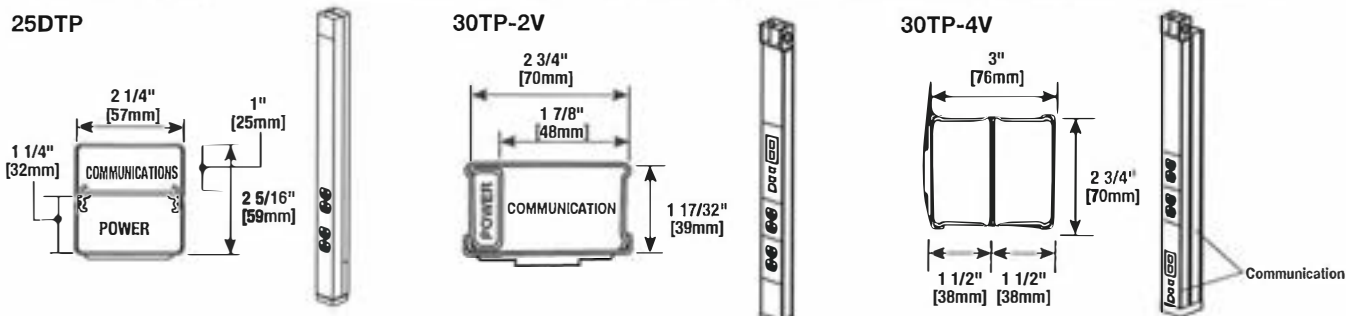
NOTE: All receptacles, additions, rewiring and other electrical modifications must be made by a qualified electrician in accordance with the NEC or other applicable local codes and adhering to the wire fill capacity charts for the respective pole.



Specially-designed Tele-Power Poles can be fitted with lighted signage while also bringing power and data to cash wraps and counter areas, or used to feed services to display cases, photo kiosks and price check stations.

Steel Tele-Power Poles

Steel Tele-Power Poles are the workhorse of vertical wire and cable management solutions. They are available either prewired with electrical devices or as blanks to feed services to other wire and cable management systems, such as electrified modular furniture. As the long time industry standard, steel Tele-Power Poles are available with an ivory enamel finish and are available in a variety of lengths. They also offer the flexibility of field configuration or can be customized to customer specifications.



NOTE: Custom colors, other lengths (20' [6.1m] max.) or additional circuits are available on custom orders. Consult factory for more information. Can be factory or field wired with many commercially available devices.

25DTP & 30TP Series Tele-Power Poles Wire Fill Capacities

CATALOG NUMBER	NUMBER & TYPE OF POWER OUTLETS	POLE HEIGHT Inches [mm]	FINISH	Wire Size THHN/THWN		Cat 5		Cat 6		RG58/U		RG62A/U		RG6/U	
				#10	#12	0.22" [5.6mm] 20%*	0.40%**	0.25" [6.3mm] 20%*	0.40%**	0.195" [5.0mm] 20%*	0.40%**	0.242" [6.1mm] 20%*	0.40%**	0.270" [6.9mm] 20%*	0.40%**
25DTP-4	Two Duplex Receptacles (20A, 125V)	10' 5" [3.175m]	Ivory/Gray	10	15	10	19	9	17	13	25	8	16	7	13
25DTP-412		12' 5" [3.780m]	Ivory/Gray	10	15	10	19	9	17	13	25	8	16	7	13
25DTP-415		15' 5" [4.700m]	Ivory/Gray	10	15	10	19	9	17	13	25	8	16	7	13
25DTP-E10		10' 5" [3.175m]	Ivory/Gray	10	15	10	19	9	17	13	25	8	16	7	13
25DTP-4D	Two Duplex Receptacles (20A, 125V), One Dedicated/Isolated & One Standard Branch Circuit	10' 5" [3.175m]	Ivory/Gray	10	15	10	19	9	17	13	25	8	16	7	13
25DTP-4ACT	Two Duplex Receptacles (20A, 125V), One Communications Insert Mounting Adapter, Three Blank Inserts	10' 5" [3.175m]	Ivory/Gray	10	15	10	19	9	17	13	25	8	16	7	13
30TP-2V	Two Duplex Receptacles (20A, 125V)	10' 5" [3.175m]	Ivory	9	14	16	31	13	26	20	40	13	25	10	20
30TP-212V		12' 5" [3.780m]	Ivory	9	14	16	31	13	26	20	40	13	25	10	20
30TP-215V		15' 5" [4.700m]	Ivory	9	14	16	31	13	26	20	40	13	25	10	20
30TP-4V	Two Duplex Receptacles (20A, 125V)	10' 5" [3.175m]	Ivory	18	18	19	37	15	30	24	47	15	30	12	24
30TP-412V		12' 5" [3.780m]	Ivory	18	18	19	37	15	30	24	47	15	30	12	24
30TP-4V3S2		10' 5" [3.175m]	Ivory	18	18	19	37	15	30	24	47	15	30	12	24
30TP-412V3S2		12' 5" [3.780m]	Ivory	18	18	19	37	15	30	24	47	15	30	12	24

* 20% cable fill is calculated to approximate reduction in cable capacity due to connectors mounted within pole section that may restrict cross-sectional areas.

** 40% cable fill is the maximum designed cable fill based on a proposed revision to TIA/EIA 569-A.

25DTC & 30TC Series Vertical Drop Poles Communications Fill Capacities

CATALOG NUMBER	POLE HEIGHT Inches [mm]	FINISH	Cat 5		Cat 6		RG58/U		RG62A/U		RG6/U	
			0.22" [5.6mm] Sm. Comp. Lg. Comp.	0.25" [6.3mm] Sm. Comp. Lg. Comp.	0.195" [5.0mm] Sm. Comp. Lg. Comp.	0.242" [6.1mm] Sm. Comp. Lg. Comp.	0.270" [6.9mm] Sm. Comp. Lg. Comp.	0.270" [6.9mm] Sm. Comp. Lg. Comp.	0.242" [6.1mm] Sm. Comp. Lg. Comp.	0.270" [6.9mm] Sm. Comp. Lg. Comp.	0.270" [6.9mm] Sm. Comp. Lg. Comp.	0.270" [6.9mm] Sm. Comp. Lg. Comp.
25DTC-4	10' 5" [3.175m]	Ivory/Gray	19	26	16	22	25	33	16	21	12	17
25DTC-412	12' 5" [3.780m]	Ivory/Gray	19	26	16	22	25	33	16	21	12	17
25DTC-415	15' 5" [4.700m]	Ivory/Gray	19	26	16	22	25	33	16	21	12	17
25DTC-E10	10' 5" [3.175m]	Ivory/Gray	19	26	16	22	25	33	16	21	12	17
30TC-2V	10' 5" [3.175m]	Ivory	n/a	33	n/a	30	n/a	47	n/a	30	n/a	24
30TC-212V	12' 5" [3.780m]	Ivory	n/a	33	n/a	30	n/a	47	n/a	30	n/a	24
30TC-215V	15' 5" [4.700m]	Ivory	n/a	33	n/a	30	n/a	47	n/a	30	n/a	24
30TC-4V	10' 5" [3.175m]	Ivory	37	37	30	30	47	47	30	30	24	24
30TC-412V	12' 5" [3.780m]	Ivory	37	37	30	30	47	47	30	30	24	24
30TC-415V	15' 5" [4.700m]	Ivory	37	37	30	30	47	47	30	30	24	24
30TC-3S2	10' 5" [3.175m]	Ivory	37	37	30	30	47	47	30	30	24	24
30TP-412V3S2	12' 5" [3.780m]	Ivory	37	37	30	30	47	47	30	30	24	24

Steel Tele-Power Poles (continued)

Steel Tele-Power Poles Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications
25DTP-4 25DTP-4-DG 25DTP-412 25DTP-412-DG 25DTP-415 25DTP-415-DG	Tele-Power Pole – Two-compartment pole (power and communications). Nominal material thickness .030" [0.8mm]. Ivory or gray bootbase. Factory wired with fed-spec general grade 20A125V duplex style receptacles. An 8" [203mm] cover at top front of pole is removable for making power wiring connections. KOs provided in removable cover for RJ11/RJ45 and modular furniture communication connectors. Mounting hardware, entrance end plate and two ceiling trim plates furnished. Available in standard lengths of 10' 5" [3.2m] (25DTP-4), 12' 5" [3.8m] (25DTP-412) and 15' 5" [4.7m] (25DTP-415). Also increase the length of any 25 Series pole with the 25DTC-E5 Tele-Power Pole Extender.	30TP-2V 30TP-212V	Tele-Power Pole – Two-compartment pole (power and communications). Nominal material thickness .040" [1.0mm]. Factory wired with two specification grade 20A, 125V duplex receptacles. Mounting hardware, entrance end fitting, and ceiling trim plate furnished. Available in standard lengths of 10' 5" [3.2m] (30TP-2V) and 12' 5" [3.8m] (30TP-212V).
		30TP-4V 30TP-412V	Tele-Power Pole – Two-compartment pole (one power; one communication with crossover below power devices). Nominal material thickness .040" [1.0mm]. Factory wired with two specification grade 20A, 125V duplex receptacles. Mounting hardware, entrance end fitting, and ceiling trim plate furnished. Available in standard lengths of 10' 5" [3.2m] (30TP-4V) and 12' 5" [3.8m] (30TP-412V).
25DTP-4ACT 25DTP-4ACT-DG	Tele-Power Pole – Identical to 25DTP-4 except with one communications insert mounting adapter and three (3) blank inserts.		
25DTP-4D 25DTP-4D-DG	Tele-Power Pole – Identical to 25DTP-4 except has one 20A 125V dedicated/isolated ground duplex receptacle and one 20A 125V standard duplex receptacle.	30TP-4V3S2 30TP-412V3S2	Tele-Power Pole – Two duplex receptacles (20A, 125V). One Ortronics® Series II adapter. One Ortronics® Series II dual Cat. 5e insert, two blank inserts and labeling supplies. Available in standard lengths of 10' 5" [3.2m] (30TP-4V3S2) and 12' 5" [3.8m] (30TP-412V3S2).
25DTP-E10 25DTP-E10-DG	Tele-Power Pole Extender – Two sections of a two-compartment (power and communication) pole (5' 4" [1.626m] base + 5' [1.524m] extender) assemblies to form a 10' 4" [3.148m] pole. Nominal material thickness .040" [1.0mm]. Ivory or gray boot base. Factory wired with fed-spec general grade 20A 125V duplex style receptacles. An 8" [203mm] cover at top front (power side) of pole is removable for making power wiring connections. KOs provided in removable cover for RJ11/RJ45 and modular furniture communication connectors. Mounting hardware, entrance end plate and two ceiling trim plates furnished.		

NOTE: Custom colors, custom lengths (20' [6.1m] max.) or additional circuits are available on custom order. Consult factory for more information. Can be factory or field-wired with many commercially available devices.

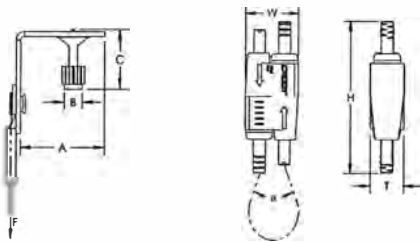


Wiremold Tele-Power Poles offer relocation flexibility to support open office designs. Quickly and easily reconfigure poles to meet changes in floor plans or capacity needs.

CADDY SPEED LINK SLK with Shot-Fire Bracket – SLK2L3SF



- Complete system includes wire, locking device and shot-fire bracket with pre-assembled drive pin from Powers Fasteners, Inc.
- Quickly and easily attaches to concrete, steel or composite metal decking
- Integrated pin installs easily using powder-actuated or single-shot gas-actuated tools
- ICC-ES ESR-2024 evaluation report available for drive pin from Powers Fasteners, Inc



Part Number	SLK2L3SF
Material	Steel Zinc Alloy Polypropylene
Finish	Electrogalvanized
Static Load Safety Factor	5:1
Wire Rope Diameter	2 mm
Wire Rope Length	9.9'
A	1.48"
B	0.3"
C	1 1/4"
Static Load [F]	100 lb
Height [H]	2.15"
Width [W]	3/4"
Thickness [T]	1/2"
Angle [a]	90° Max
Certifications	cULus



Part Number	SLK21.3SF
Standard Packaging Quantity	10 pc
UPC	78285680050
EAN-13	8711893137866

Uses Powers Fasteners, Inc. part number 50032.

Static load was established based on a 1" (25.4 mm) embedment depth and 3,000 psi (20.68 Mpa) lightweight concrete. For variations in embedment and material please consult www.powers.com.

Pre-assembled drive pin from Powers Fasteners, Inc. works with Powers® C4CZ, Simpson® GCN-MEPKT, SPIT® P200, P45, P60; Ramset® T3SS, T5750P, TS60P; Hilti® DX36M, DX350, DX351, DXA40; Würth Diva-1, BST-1, BST-2 or equivalent nailers.

For shot-fired supports in seismic design category D, E, or F, maximum load is the lesser of 90 lb (400 N) or the published load.

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WARNING

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CADDY CAT HP J-Hook – CAT32HP



CADDY CAT HP J-Hooks are the heart of the CADDY CAT HP System. The J-Hooks have a wide base design and smooth beveled edges to provide a large bending radius for current and future high-performance data cables and fibre optics. CADDY CAT HP J-Hooks are available in a wide range of sizes to offer a solution that meets industry standards for Cat 6A and easily accommodates Cat 7, large-diameter fibre optic, innerduct and coax cable. Individual CADDY CAT HP J-Hooks can be fastened directly to the building structure or can be used to expand existing CADDY CAT HP J-Hook cable supports. The J-Hooks are designed to provide a strong and stable pathway support installation.

- Provides optimal support for high-performance data cable, up to and including Cat 5e, Cat 6, Cat 6A, Cat 7 and fibre optic
- Rounded edges on J-Hooks provide proper bend radius support for high performance data cables
- Multiple color options aid in the identification and organization of the pathway application
- Provides superior fill capacity and load rating over most other non-continuous cable support alternatives
- Compliant with UL® 2043 and suitable for use in air handling (plenum) spaces
- Tested according to DIN 4102-12
- Complies with EN 50174-2
- Meets ISO®/IEC 14763-2, ANSI®/TIA 568 and ANSI®/TIA 569



Part Number	CAT32HP
Material	Steel
Finish	Pregalvanized
Diameter (Ø)	2"
Area	3.97 in²
Cable Capacity, Cat 5e	90
Cable Capacity, Cat 6	60
Cable Capacity, Cat 6A	35
Static Load (F)	60 lb
Certifications	cULus



Part Number	CAT32HP
Standard Packaging Quantity	50 pc
UPC	78285661761
EAN-13	8711893048827

Non-continuous supports may not exceed spacing of 5' (1.5 m) per TIA 569-C.9.7 and EN 50174-2.
Cable capacity is calculated based on a 70% fill rate.

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WARNING

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CADDY CAT HP J-Hook Clip to Rod/Wire Clip – CATHP4Z34



- Quick attachment to threaded rod or wire
- Requires no screws, rivets or special tools for assembly
- J-Hooks feature bendable locking tabs that lock on to CADDY CAT HP components to provide rigidity and stability
- Link to J-Hooks in one of multiple color options to aid in pathway identification and organization
- Customized J-Hook trees can be easily assembled with various J-Hook sizes, colors and configurations
- CADDY CAT HP components easily attach to any size CADDY CAT HP J-Hook



Part Number	CATHP4Z34
Material	Spring Steel
Finish	CADDY ARMOUR
Rod Size [RS]	1/4"
Wire Size	#12 – #8
Static Load [F]	30 lb
Certifications	cULus
Standard Packaging Quantity	50 pc
UPC	78285661781
EAN-13	8711893049046

Recommended for use with CADDY CAT HP J-Hooks with a diameter of 2" [50 mm] or less.

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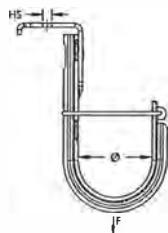
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CADDY CAT HP J-Hook with Pin Driven Angle Bracket – CAT64HPAFAB6



- Longer leg angle bracket for tool clearance
- Designed to fit a variety of pin drivers
- Provides optimal support for high-performance data cable, up to and including Cat 5e, Cat 6, Cat 6A, Cat 7 and fibre optic
- Provides superior fill capacity and load rating over most other non-continuous cable support alternatives
- Rounded edges on J-Hooks provide proper bend radius support for high performance data cables
- Cost effective alternative to expensive cable tray
- Complies with EN 50174-2
- Meets ISO®/IEC 14763-2, ANSI®/TIA 568 and ANSI®/TIA 569



Part Number	CAT64HPAFAB6
Material	Steel
Finish	Pregalvanized
Diameter [Ø]	4"
Area	15.48 in²
Cable Capacity, Cat 5e	330
Cable Capacity, Cat 6	220
Cable Capacity, Cat 6A	140
Hole Size [HS]	3/8"
Static Load [F]	60 lb
Certifications	cULus
Standard Packaging Quantity	25 pc
UPC	78285671661
EAN-13	8711893125702

Non-continuous supports may not exceed spacing of 5' (1.5 m) per TIA 569-C.9.7 and EN 50174-2.
Cable capacity is calculated based on a 70% fill rate.



CADDY CAT HP J-Hook – CAT64HP



CADDY CAT HP J-Hooks are the heart of the CADDY CAT HP System. The J-Hooks have a wide base design and smooth beveled edges to provide a large bending radius for current and future high-performance data cables and fibre optics. CADDY CAT HP J-Hooks are available in a wide range of sizes to offer a solution that meets industry standards for Cat 6A and easily accommodates Cat 7, large-diameter fibre optic, innerduct and coax cable. Individual CADDY CAT HP J-Hooks can be fastened directly to the building structure or can be used to expand existing CADDY CAT HP J-Hook cable supports. The J-Hooks are designed to provide a strong and stable pathway support installation.

- Provides optimal support for high-performance data cable, up to and including Cat 5e, Cat 6, Cat 6A, Cat 7 and fibre optic
- Rounded edges on J-Hooks provide proper bend radius support for high performance data cables
- Multiple color options aid in the identification and organization of the pathway application
- Provides superior fill capacity and load rating over most other non-continuous cable support alternatives
- Compliant with UL® 2043 and suitable for use in air handling (plenum) spaces
- Tested according to DIN 4102-12
- Complies with EN 50174-2
- Meets ISO®/IEC 14763-2, ANSI®/TIA 568 and ANSI®/TIA 569



Part Number	CAT64HP
Material	Steel
Finish	Pregalvanized
Diameter [Ø]	4"
Area	15.48 in²
Cable Capacity, Cat 5e	330
Cable Capacity, Cat 6	220
Cable Capacity, Cat 6A	140
Static Load [F]	60 lb
Certifications	cULus



Part Number	CAT64HP
Standard Packaging Quantity	25 pc
UPC	78285661763
EAN-13	6711893048841

Non-continuous supports may not exceed spacing of 5' (1.5 m) per TIA 569-C.9.7 and EN 50174-2.
Cable capacity is calculated based on a 70% fill rate.

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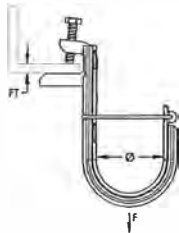
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CADDY CAT HP J-Hook with BC200 Beam Clamp – CAT32HPBC200



- Easy installation to beam flanges
- Provides optimal support for high-performance data cable, up to and including Cat 5e, Cat 6, Cat 6A, Cat 7 and fibre optic
- Provides superior fill capacity and load rating over most other non-continuous cable support alternatives
- Rounded edges on J-Hooks provide proper bend radius support for high performance data cables
- Cost effective alternative to expensive cable tray
- Complies with EN 50174-2
- Meets ISO®/IEC 14763-2, ANSI®/TIA 568 and ANSI®/TIA 569



Part Number	CAT32HPBC200
Material	Steel
Finish	Pregalvanized Electrogalvanized
Diameter (Ø)	2"
Area	3.97 in ²
Cable Capacity, Cat 5e	90
Cable Capacity, Cat 6	60
Cable Capacity, Cat 6A	35
Flange Thickness [FT]	1/2" Max
Static Load [F]	60 lb
Certifications	cULus
Standard Packaging Quantity	50 pc
UPC	78285679357
EAN-13	8711893132854

Setscrew must be tightened and torqued onto the sloped side of the I-beam.

Non-continuous supports may not exceed spacing of 5' (1.5 m) per TIA 569-C.9.7 and EN 50174-2.

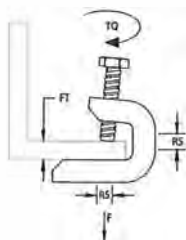
Cable capacity is calculated based on a 70% fill rate.



BC200/BC400 Beam Clamp – BC400



- Threaded hole on back and bottom



Part Number	BC400
Material	Steel
Finish	Electrogalvanized
Rod Size [RS]	3/8"
Flange Thickness [FT]	3/4" Max
Torque [TQ]	20 in lb
Static Load [F]	200 lb
Certifications	cULus
Standard Packaging Quantity	25 pc
UPC	78285619400

Setscrew must be tightened and torqued onto the sloped side of the I-beam.

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WARNING

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Threaded Products & Hardware (Series 100)

T&B Catalog Number:

H104 3/8X10

UPC Number:

61601330087

Status:

Active

Description:

Rod, Hanger - Continuous Thread, Size 3/8 Inch x 10 Feet, Steel

Features

Free-running, corrosion resistant, burr-free

Application

Framing and hanging applications

General

Material Steel

Finish Gold Galv

Design Load (lbs) 610

Dimension Information

Length (feet) 10

Size (Inches) 3/8

Specifications

3dmodel Available on Website

Packaging

T&B Order Multiple 250

T&B Inner Pack 250

Package in Units 6250

T&B Sold in UOM Feet

T&B Weight Per UOM 1.39 lbs. Each

Application Support

Metal Framing Channels-Series 1000 Available on Website

Finishes Available on Website

Threaded Products & Hardware-Series 100 Available on Website

100

Notes

Standard Rod Lengths are 6, 10 & 12 feet.

Black available upon request

Certifications

RoHS Compliance Yes

For further technical assistance, please contact us...

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Fax: (901) 252-1321
Email: techsupport@tnb.com

Type 1, 3, & 3R Enclosures

Junction Boxes

Type 1 Screw Cover - Painted & Galvanized

Data and Illustration Sheet

Type 1, 3, & 3R Enclosures



Application

- Used as wiring boxes, junction and pull boxes
- Protects against contact with enclosed equipment

Standards

- UL 50 listed, Type 1
- CSA C22.2 No. 40 certified, Type 1
- Conforms to NEMA standard for Type 1

Finish

- Wash and phosphate undercoat or galvanized steel
- ANSI 61 gray acrylic electrocoat finish

Accessories

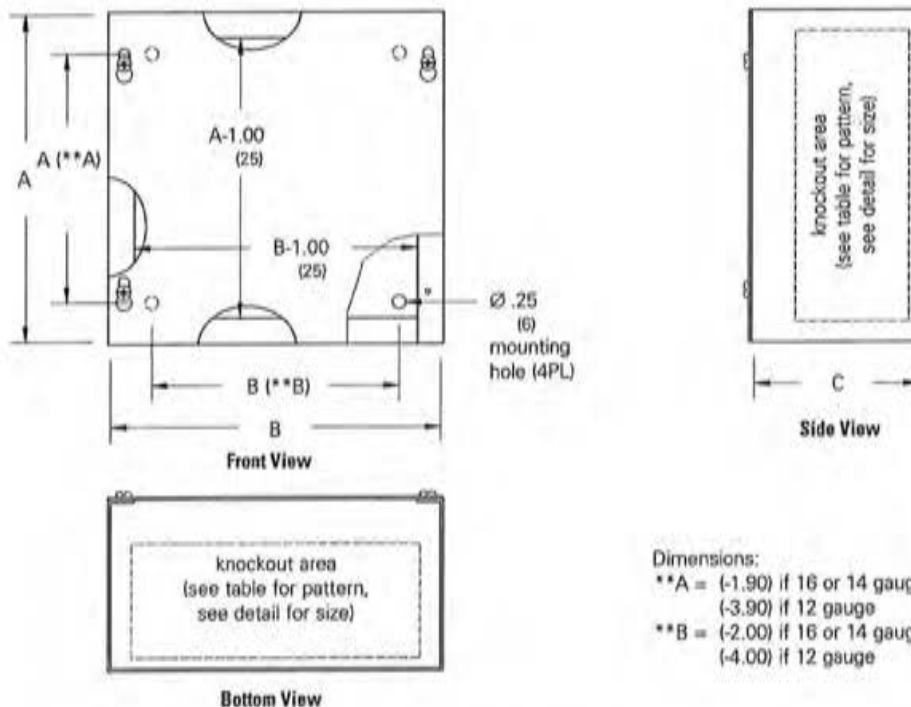
- Ground lug kit
- Touch-up paint
- See Accessories section

Construction

- Enclosure and cover are fabricated from code gauge steel or galvanized steel, (see table)
- Enclosure body has mounting holes on the back
- Enclosures are available with or without knockouts on the sides, top and bottom ends
- Cover is secured to the body with plated hex head combo screws
- Keyhole slots provided in the cover allow easy access to the inside without removing the screws
- Hole provision for optional ground lug kit

Discount Schedule: A2

Subclass: AN0 & AX1

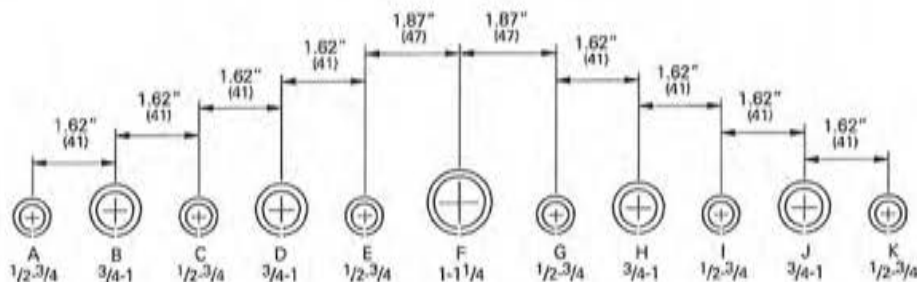


Notes: We can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.
Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Junction Boxes Type 1 Screw Cover - Painted & Galvanized Catalog Number

Enclosure Catalog Number				Enclosure Size		Gauge	Knockout Pattern	Knockout Pattern
Painted		Galvanized		Height x Width x Depth A x B x C			Each Side	Top & Bottom
KO	No KO	KO	No KO	in.	mm			
443 SC	443 SC NK	443 SCGV	443 SCGV NK	4.00 x 4.00 x 3.00	102 x 102 x 76	16	C D	C D
444 SC	444 SC NK	444 SCGV	444 SCGV NK	4.00 x 4.00 x 4.00	102 x 102 x 102	16	C D	C D
644 SC	644 SC NK	644 SCGV	644 SCGV NK	6.00 x 4.00 x 4.00	152 x 102 x 102	16	C D E	C D
663 SC	663 SC NK	663 SCGV	663 SCGV NK	6.00 x 6.00 x 3.00	152 x 152 x 76	16	C D E	C D E
664 SC	664 SC NK	664 SCGV	664 SCGV NK	6.00 x 6.00 x 4.00	152 x 152 x 102	16	C D E	C D E
863 SC	863 SC NK	863 SCGV	863 SCGV NK	8.00 x 6.00 x 4.300	203 x 152 x 76	16	G H I J	C D E
864 SC	864 SC NK	864 SCGV	864 SCGV NK	8.00 x 6.00 x 4.00	203 x 152 x 102	16	G H I J	C D E
884 SC	884 SC NK	884 SCGV	884 SCGV NK	8.00 x 8.00 x 4.00	203 x 203 x 102	16	G H I J	G H I J
--	1064 SC NK	--	1064 SCGV NK	10.00 x 6.00 x 4.00	254 x 152 x 102	16	--	--
1084 SC	1084 SC NK	1084 SCGV	1084 SCGV NK	10.00 x 8.00 x 4.00	254 x 203 x 102	16	G H I J	G H I J
10104 SC	10104 SC NK	10104 SCGV	10104 SCGV NK	10.00 x 10.00 x 4.00	254 x 254 x 102	16	G H I J	G H I J
1264 SC	1264 SC NK	--	1264 SCGV NK	12.00 x 6.00 x 4.00	305 x 152 x 102	16	D E F G H	C D E
1284 SC	1284 SC NK	1284 SCGV	1284 SCGV NK	12.00 x 8.00 x 4.00	305 x 203 x 102	16	D E F G H	G H I J
12104 SC	12104 SC NK	12104 SCGV	12104 SCGV NK	12.00 x 10.00 x 4.00	305 x 254 x 102	16	D E F G H	D E F G H
12124 SC	12124 SC NK	12124 SCGV	12124 SCGV NK	12.00 x 12.00 x 4.00	305 x 305 x 102	16	D E F G H	D E F G H
--	15154 SC NK	15154 SCGV	--	15.00 x 15.00 x 4.00	381 x 381 x 102	16	C D E F G H I	C D E F G H I
16124 SC	16124 SC NK	16124 SCGV	16124 SCGV NK	16.00 x 12.00 x 4.00	406 x 305 x 102	16	C D E F G H I	D E F G H
16164 SC	16164 SC NK	16164 SCGV	--	16.00 x 16.00 x 4.00	406 x 406 x 102	16	C D E F G H I	C D E F G H I
18124 SC	18124 SC NK	18124 SCGV	18124 SCGV NK	18.00 x 12.00 x 4.00	457 x 305 x 102	16	B C D E F G H I J	D E F G H
--	18154 SC NK	18154 SCGV	--	18.00 x 15.00 x 4.00	457 x 381 x 102	16	B C D E F G H I J	C D E F G H I
18184 SC	18184 SC NK	18184 SCGV	18184 SCGV NK	18.00 x 18.00 x 4.00	457 x 457 x 102	16	B C D E F G H I J	B C D E F G H I J
24124 SC	24124 SC NK	24124 SCGV	--	24.00 x 12.00 x 4.00	610 x 305 x 102	16	B C D E F G H I J	D E F G H
--	24184 SC NK	24184 SCGV	--	24.00 x 18.00 x 4.00	610 x 457 x 102	16	B C D E F G H I J	B C D E F G H I J
24244 SC	24244 SC NK	24244 SCGV	24244 SCGV NK	24.00 x 24.00 x 4.00	610 x 610 x 102	14	B C D E F G H I J	B C D E F G H I J
--	30184 SC NK	30184 SCGV	30184 SCGV NK	30.00 x 18.00 x 4.00	762 x 457 x 102	16	B C D E F G H I J	B C D E F G H I J
30244 SC	30244 SC NK	30244 SCGV	30244 SCGV NK	30.00 x 24.00 x 4.00	762 x 610 x 102	14	B C D E F G H I J	B C D E F G H I J
-	30304 SC NK	-	30304 SCGV NK	30.00 x 30.00 x 4.00	762 x 762 x 102	12	--	--

Type 1, 3, & 3R Enclosures



Conduit Sizes

Knockout Detail

Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

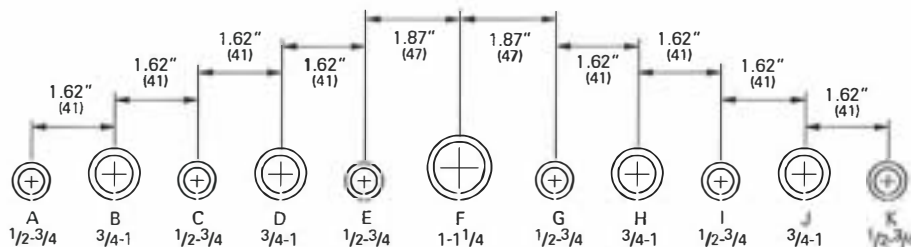
Type 1, 3, & 3R Enclosures

Junction Boxes

Type 1 Screw Cover - Painted & Galvanized

Catalog Number

Enclosure Catalog Number				Enclosure Size		Gauge	Knockout Pattern	Knockout Pattern
Painted		Galvanized		Height x Width x Depth			Each Side	Top & Bottom
KO	No KO	KO	No KO	in.	mm			
666 SC	666 SC NK	666 SCGV	666 SCGV NK	6.00 x 6.00 x 6.00	152 x 152 x 152	16	CDE	CDE
866 SC	866 SC NK	866 SCGV	866 SCGV NK	8.00x 6.00 x 6.00	203 x 152 x 152	16	GHIJ	CDE
886 SC	886 SC NK	886 SCGV	886 SCGV NK	8.00 x 8.00 x 6.00	203 x 203 x 152	16	GHIJ	GHIJ
1086 SC	1086 SC NK	1086 SCGV	1086 SCGV NK	10.00 x 8.00 x 6.00	254 x 203 x 152	16	DEFGH	GHIJ
10106 SC	10106 SC NK	10106 SCGV	10106 SCGV NK	10.00 x 10.00 x 6.00	254 x 254 x 152	16	DEFGH	DEFGH
--	1266 SC NK	--	--	12.00 x 6.00 x 6.00	305 x 152 x 152	16	--	--
--	1286 SC NK	--	1286 SCGV NK	12.00 x 8.00 x 6.00	305 x 203 x152	16	--	--
12106 SC	12106 SC NK	12106 SCGV	12106 SCGV NK	12.00 x 10.00 x 6.00	305 x 254 x152	16	DEFGH	DEFGH
12126 SC	12126 SC NK	12126 SCGV	12126 SCGV NK	12.00 x 12.00 x 6.00	305 x 305 x152	16	DEFGH	DEFGH
--	15156 SC NK	--	15156 SCGV NK	15.00 x 15.00 x 6.00	381 x 381 x152	16	--	--
16126 SC	16126 SC NK	16126 SCGV	16126 SCGV NK	16.00 x 12.00 x 6.00	406 x 305 x152	16	CDEFGHI	DEFGH
16166 SC	16166 SC NK	16166 SCGV	16166 SCGV NK	16.00 x 16.00 x 6.00	406 x 406x152	16	CDEFGHI	BCDEFGHIJ
18126 SC	18126 SC NK	18126 SCGV	18126 SCGV NK	18.00 x 12.00 x 6.00	457 x 305x152	16	BCDEFGHIJ	DEFGH
--	18156 SC NK	--	18156 SCGV NK	18.00 x 15.00 x 6.00	457 x 381x152	16	--	--
18186 SC	18186 SC NK	18186 SCGV	18186 SCGV NK	18.00 x 18.00 x 6.00	457 x 457x152	16	BCDEFGHIJ	BCDEFGHIJ
--	24126 SC NK	--	24126 SCGV NK	24.00 x 12.00 x 6.00	610 x 305x152	16	--	--
24186 SC	24186 SC NK	24186 SCGV	24186 SCGV NK	24.00 x 18.00 x 6.00	610 x 457x152	16	BCDEFGHIJ	BCDEFGHIJ
--	24206 SC NK	--	24206 SCGV NK	24.00 x 20.00 x 6.00	610 x 508x152	14	--	--
24246 SC	24246 SC NK	24246 SCGV	24246 SCGV NK	24.00 x 24.00 x 6.00	610 x 610x152	14	BCDEFGHIJ	BCDEFGHIJ
--	30186 SC NK	--	30186 SCGV NK	30.00 x 18.00 x 6.00	762 x 457 x 152	16	--	--
30246 SC	30246 SC NK	30246 SCGV	30246 SCGV NK	30.00 x 24.00 x 6.00	762 x 610 x 152	14	BCDEFGHIJ	BCDEFGHIJ
--	30306 SC NK	--	30306 SCGV NK	30.00 x 30.00 x 6.00	762 x 762 x 152	12	--	--
36246 SC	36246 SC NK	--	36246 SCGV NK	36.00 x 24.00 x 6.00	914 x 310 x 152	14	BCDEFGHIJ	BCDEFGHIJ
--	36306 SC NK	--	36306 SCGV NK	36.00 x 30.00 x 6.00	914 x 762 x 152	12	--	--
--	36366 SC NK	--	36366 SCGV NK	36.00 x 36.00 x 6.00	914 x 914 x 152	12	--	--
--	48366 SC NK	--	48366 SCGV NK	48.00 x 36.00 x 6.00	1219 x 914 x 152	12	--	--
--	48486 SC NK	--	48486 SCGV NK	48.00 x 48.00 x 6.00	1219 x 1219 x 152	12	--	--
888 SC	888 SC NK	888 SCGV	888 SCGV NK	8.00 x 8.00 x 8.00	203 x 203 x 203	16	GHIJ	GHIJ
--	10108 SC NK	--	10108 SCGV NK	10.00 x 10.00 x 8.00	254 x 254 x 203	16	--	--
12128 SC	12128 SC NK	--	12128 SCGV NK	12.00 x 12.00 x 8.00	305 x 305 x 203	16	DEFGH	DEFGH
16128 SC	16128 SC NK	--	16128 SCGV NK	16.00 x 12.00 x 8.00	406 x 305 x 203	16	CDEFGHI	DEFGH
18128 SC	18128 SC NK	--	18128 SCGV NK	18.00 x 12.00 x 8.00	457 x 305 x 203	16	BCDEFGHIJ	DEFGH
18188 SC	18188 SC NK	--	18188 SCGV NK	18.00 x 18.00 x 8.00	457 x 457 x 203	16	BCDEFGHIJ	BCDEFGHIJ
24128 SC	24128 SC NK	--	24128 SCGV NK	24.00 x 12.00 x 8.00	610 x 305 x 203	16	BCDEFGHIJ	DEFGH
24188 SC	24188 SC NK	--	24188 SCGV NK	24.00 x 18.00 x 8.00	610 x 457 x 203	16	BCDEFGHIJ	BCDEFGHIJ
--	24208 SC NK	--	24208 SCGV NK	24.00 x 20.00 x 8.00	610 x 508 x 203	14	--	--
24248 SC	24248 SC NK	--	24248 SCGV NK	24.00 x 24.00 x 8.00	610 x 610 x 203	14	BCDEFGHIJ	BCDEFGHIJ
30248 SC	30248 SC NK	30248 SCGV	30248 SCGV NK	30.00 x 24.00 x 8.00	762 x 610 x 203	14	BCDEFGHIJ	BCDEFGHIJ
--	30308 SC NK	--	30308 SCGV NK	30.00 x 30.00 x 8.00	762 x 762 x 203	12	--	--
36248 SC	36248 SC NK	--	36248 SCGV NK	36.00 x 24.00 x 8.00	914 x 610 x 203	14	BCDEFGHIJ	BCDEFGHIJ
--	36308 SC NK	--	36308 SCGV NK	36.00 x 30.00 x 8.00	914 x 762 x 203	14	--	--
--	36368 SC NK	--	36368 SCGV NK	36.00 x 36.00 x 8.00	914 x 914 x 203	14	--	--



Conduit Sizes Knockout Detail - Note: See table for applicable knockout pattern.

Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Type 1, 3, & 3R Enclosures

Junction Boxes Type 1 Screw Cover - Painted & Galvanized Catalog Number

Enclosure Catalog Number				Enclosure Size		Gauge	Knockout Pattern	Knockout Pattern
Painted		Galvanized		Height x Width x Depth A x B x C				
KO	No KO	KO	No KO	in.	mm			
--	121210 SC NK	--	121210 SCGV NK	12.00 x 12.00 x 10.00	305 x 305 x 254	16	--	--
181210 SC	181210 SC NK	--	181210 SCGV NK	18.00 x 12.00 x 10.00	457 x 305 x 254	16	BCDEFGHIJ	DEFGH
181810 SC	181810 SC NK	--	181810 SCGV NK	18.00 x 18.00 x 10.00	457 x 457 x 254	16	BCDEFGHIJ	BCDEFGHIJ
--	241210 SC NK	--	241210 SCGV NK	24.00 x 12.00 x 10.00	610 x 305 x 254	16	--	--
241810 SC	241810 SC NK	--	241810 SCGV NK	24.00 x 18.00 x 10.00	610 x 457 x 254	16	BCDEFGHIJ	BCDEFGHIJ
242410 SC	242410 SC NK	--	242410 SCGV NK	24.00 x 24.00 x 10.00	610 x 610 x 254	14	BCDEFGHIJ	BCDEFGHIJ
--	302410 SC NK	--	302410 SCGV NK	30.00 x 24.00 x 10.00	762 x 610 x 254	14	--	--
--	303010 SC NK	--	303010 SCGV NK	30.00 x 30.00 x 10.00	762 x 762 x 254	12	--	--
--	352410 SC NK	--	352410 SCGV NK	36.00 x 24.00 x 10.00	914 x 610 x 254	14	--	--
--	353510 SC NK	--	353510 SCGV NK	36.00 x 35.00 x 10.00	914 x 914 x 254	14	--	--
--	121212 SC NK	--	121212 SCGV NK	12.00 x 12.00 x 12.00	305 x 305 x 305	18	--	--
181812 SC	181812 SC NK	--	181812 SCGV NK	18.00 x 18.00 x 12.00	457 x 457 x 305	16	BCDEFGHIJ	BCDEFGHIJ
241212 SC	241212 SC NK	--	241212 SCGV NK	24.00 x 12.00 x 12.00	610 x 305 x 305	16	BCDEFGHIJ	DEFGH
241812 SC	241812 SC NK	--	241812 SCGV NK	24.00 x 18.00 x 12.00	610 x 457 x 305	16	BCDEFGHIJ	BCDEFGHIJ
242412 SC	242412 SC NK	--	242412 SCGV NK	24.00 x 24.00 x 12.00	610 x 610 x 305	14	BCDEFGHIJ	BCDEFGHIJ
302412 SC	302412 SC NK	--	302412 SCGV NK	30.00 x 24.00 x 12.00	762 x 610 x 305	14	BCDEFGHIJ	BCDEFGHIJ
--	303012 SC NK	--	303012 SCGV NK	30.00 x 30.00 x 12.00	762 x 762 x 305	12	--	--
362412 SC	362412 SC NK	--	362412 SCGV NK	36.00 x 24.00 x 12.00	914 x 610 x 305	14	BCDEFGHIJ	BCDEFGHIJ
--	363612 SC NK	--	363612 SCGV NK	48.00 x 48.00 x 12.00	1219 x 1219 x 305	12	--	--
--	484812 SC NK	--	484812 SCGV NK	48.00 x 48.00 x 12.00	1219 x 1219 x 305	12	--	--
--	303016 SC NK	--	--	30.00 x 30.00 x 16.00	762 x 762 x 406	12	--	--
--	363616 SC NK	--	363616 SCGV NK	48.00 x 48.00 x 16.00	1219 x 1219 x 406	12	--	--
--	484816 SC NK	--	484816 SCGV NK	48.00 x 48.00 x 16.00	1219 x 1219 x 406	12	--	--

Type 1, 3, & 3R Enclosures

Type 1 Flush & Surface Covers - Painted & Galvanized Catalog Number

Discount Schedule: A2
Subclass: AN0

Optional Flush Covers		Flush Cover Size		Fits Enclosure		Gauge	Replacement Surface Covers		Surface Cover Size		Fits Enclosure		Gauge
Catalog Number				A x B			Catalog Number				A x B		
Painted	Galvanized	in.	mm	in.	mm		Painted	Galvanized	in.	mm	in.	mm	
44 SCF	--	5.50 x 5.50	140 x 140	4.00 x 4.00	102 x 102	16	--	--	--	--	--	--	--
66 SCF	--	7.50 x 7.50	191 x 191	6.00 x 6.00	152 x 152	16	66 SCS	--	6.09 x 6.09	155 x 155	6.00 x 6.00	152 x 152	16
86 SCF	--	9.50 x 7.50	241 x 191	8.00 x 6.00	203 x 152	16	--	--	--	--	--	--	--
88 SCF	--	9.50 x 9.50	241 x 241	8.00 x 8.00	203 x 203	16	88 SCS	--	8.09 x 8.09	205 x 205	8.00 x 8.00	203 x 203	16
108 SCF	--	11.50 x 9.50	292 x 241	10.00 x 8.00	254 x 203	16	--	--	--	--	--	--	--
1010 SCF	--	11.50 x 11.50	292 x 292	10.00 x 10.00	254 x 254	16	1010 SCS	--	10.09 x 10.09	256 x 256	10.00 x 10.00	254 x 254	16
128 SCF	--	13.50 x 11.50	343 x 241	12.00 x 8.00	305 x 203	16	--	--	--	--	--	--	--
1212 SCF	--	13.50 x 13.50	343 x 343	12.00 x 12.00	305 x 305	16	1212 SCS	--	12.09 x 12.09	307 x 307	12.00 x 12.00	305 x 305	16
1616 SCF	--	17.50 x 17.50	445 x 445	16.00 x 16.00	408 x 406	14	--	--	--	--	--	--	--
1812 SCF	--	19.50 x 13.50	495 x 343	18.00 x 12.00	457 x 305	14	--	--	--	--	--	--	--
1818 SCF	--	19.50 x 19.50	495 x 495	18.00 x 18.00	457 x 457	14	1818 SCS	--	18.09 x 18.09	459 x 459	18.00 x 18.00	457 x 457	16
2418 SCF	--	25.50 x 19.50	648 x 495	24.00 x 18.00	610 x 457	12	--	--	--	--	--	--	--
2424 SCF	--	25.50 x 24.50	648 x 622	24.00 x 24.00	610 x 610	12	2424 SCS	--	24.09 x 24.09	612 x 612	24.00 x 24.00	610 x 610	14

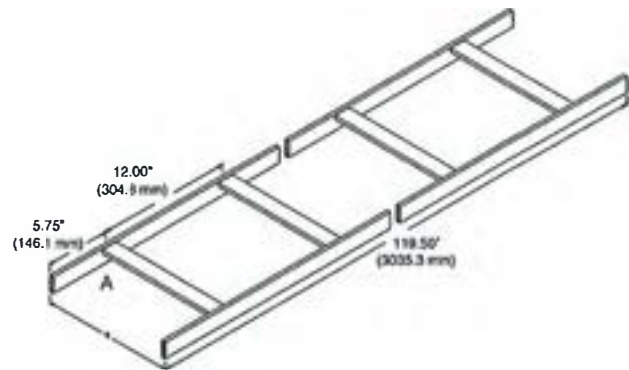
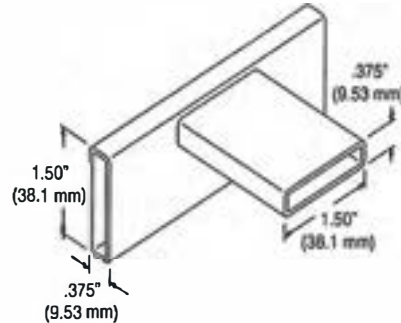
Notes: Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Product Cut Sheet

UNIVERSAL CABLE RUNWAY

Our most popular cable runway is designed for value conscious customers. The Universal Cable Runway offers the industry standard features you've come to expect. With the runway supported every 5' (1.5 m), maximum load with minimal deflection is 132 lb/ft (59.9 kg).

- Made of 3/8" x 1-1/2" x .065" (9.53 mm x 38 mm x 1.65 mm) wall rectangular steel tubing
- Cross members welded at 12" (300 mm) intervals
- Individually boxed to prevent scratches and damage
- Standard length is 9'-11 1/2"/119.5" (3035 mm)
- Underwriters Laboratory Classified for suitability as an equipment grounding conductor only (must remove paint or use ground straps)
- Installation Best Practices includes Runway Elevation Kit



Part Number	Width (Dim. A) in (mm)	Shipping Weight lb (kg)
10250-X04	4 (100)	18 (8.2)
10250-X06	6 (150)	19 (8.6)
10250-X09	9 (230)	20 (9.1)
10250-X12	12 (300)	25 (11.3)
10250-X15	15 (380)	27 (12.2)
10250-X18	18 (460)	29 (13.2)
10250-X24	24 (610)	32 (14.5)
10250-X31	30 (760)	35 (15.7)
10250-X37	36 (910)	38 (17.2)

X=Color, 1=Gray, 2=Computer Beige, ~~7=Black~~, E=Glacier White.

800-834-4969 in U.S. & Canada • www.chatsworth.com



CHATSWORTH PRODUCTS

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Product Cut Sheet

WALL ANGLE SUPPORT KIT, CABLE RUNWAY

2" x 2" x .105" (50 mm x 50 mm x 2.67 mm) steel support angle is designed for wall-mounting specific widths of Cable Runway.

Kit consists of:

- (1) wall angle
- (2) 5/16-18 x 2 1/4" J-bolts
- (2) 5/16-18 hex nuts
- (2) 5/16 lock washers



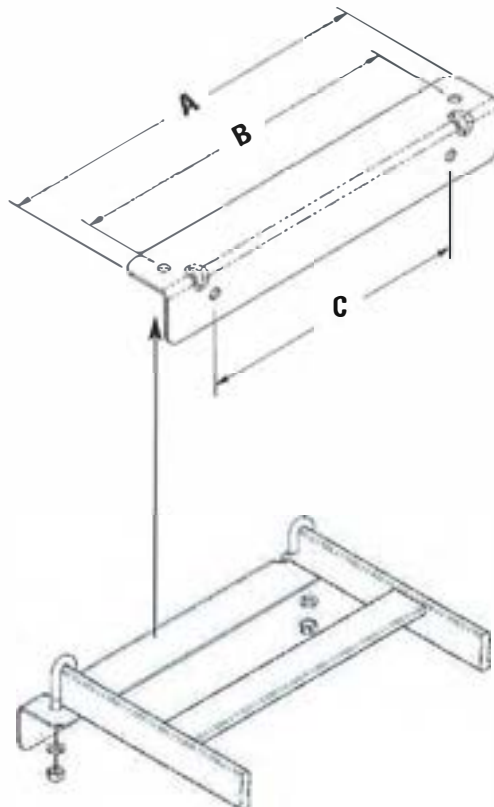
11421 Wall Angle Support Kit

Color	
1	Gray
2	Computer Beige
7	Black
0	Gold
E	Glacier White

	Runway Width in (mm)	Dim. A in (mm)	Dim. B in (mm)	Dim. C in (mm)
04	4 (100)	6 (150)	4.31 (109.5)	4.31 (109.5)
06	6 (150)	8 (200)	6.31 (160.3)	4 (100.0)
09	9 (230)	11 (280)	9.31 (236.5)	7 (180.0)
10	10 (250)	12 (300)	10.21 (261.9)	8 (200.0)
12	12 (300)	14 (360)	12.31 (312.7)	10 (250.0)
15	15 (380)	17 (430)	15.31 (388.9)	13 (330.0)
18	18 (460)	20 (510)	18.31 (465.1)	16 (410.0)
20	20 (510)	22 (560)	20.31 (515.9)	18 (460.0)
24	24 (610)	26 (660)	24.31 (617.5)	22 (460.0)
30	30 (760)	32 (810)	30.31 (769.9)	28 (710.0)

11421 - X XX

X=color: Gold (-0), Computer Beige (-2) and Glacier White (-E) kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware.



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CF 54 - 2" Deep Tray

EZTray™

- 2" Deep Tray is available in 10' straight sections.
- Available in Electro Zinc (EZ), Hot-Dipped Galvanized before fabrication (GG), 316L Stainless Steel (IN), EZ Coat colors: Black (BL), Red (RD), Yellow (YL) and Grey (GY).
- Welded wire design handles most load requirements. (see load table)
- Wire tray design resists dirt and dust build up.
- "Safe-T-Edge" design eliminates sharp edges - is easy on installers and cables.



Cablofil's "Safe-T-Edge"

Part #	Tray Configuration	D	W	lb.	No. of Cat 5 Cable at 100% fill
CF 54/50 EZ		2"	2"	5.1	98
CF 54/100 EZ		2"	4"	7.3	206
CF 54/150 EZ		2"	6"	8.5	315
CF 54/200 EZ		2"	8"	9.9	424
CF 54/300 EZ		2"	12"	15.9	641
CF 54/400 EZ		2"	16"	21.8	848
CF 54/450 EZ		2"	18"	17.5	967
CF 54/500 EZ		2"	20"	28.7	1075
CF 54/600 EZ*		2"	24"	34.5	1296

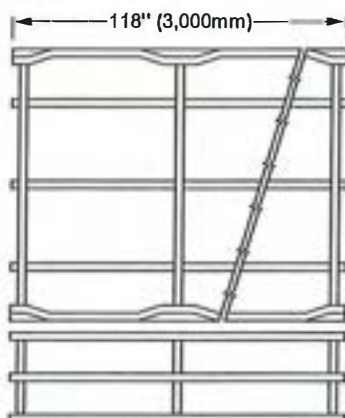
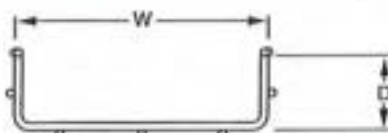
Note: English dimensions are nominal. Metric dimensions are exact.

* No safety edge on these items.

Our part number makes it easy to identify tray size and finish.

CF XX / XXX XX

Finish
Width in mm
Depth in mm



CABLOFIL INC.
INNOVATORS IN CABLE MANAGEMENT

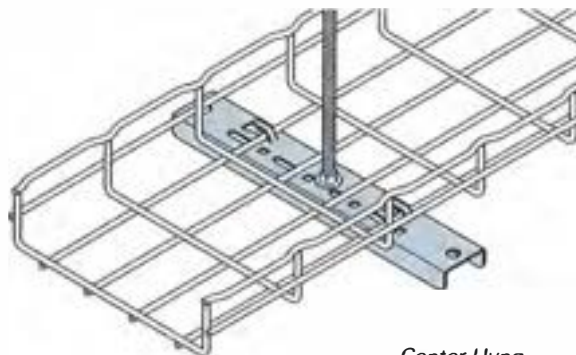
tel 618-566-3230
800-658-4641
fax 618-566-3250
www.cablofil.com

FLEXTRAY™ - Hanging Support Methods

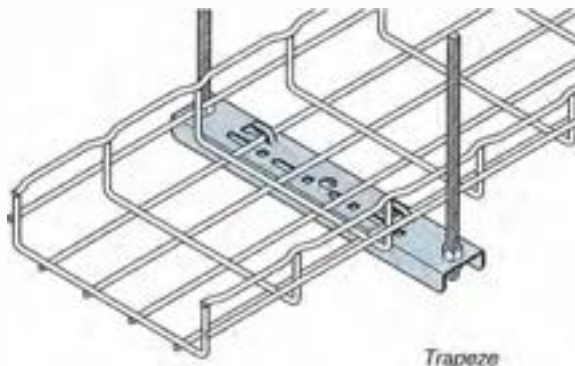
Center Trapeze Hanger

Part Number	Maximum Tray Width		Actual Length		Wt./Pc.	
	in.	mm	in.	mm	lbs.	kg
FTB06CT	6"	150	9.78"	248	0.61	0.27
FTB08CT	8"	200	11.75"	298	0.74	0.33
FTB12CT	12"	300	15.69"	398	0.98	0.44
FTB16CT	16"	400	19.63"	498	1.61	0.73
FTB18CT	18"	450	21.59"	548	1.77	0.80
FTB20CT	20"	500	23.56"	598	1.93	0.87
FTB24CT	24"	600	27.50"	698	2.25	1.02

- Can be installed as center-hung or traditional trapeze hanger
- Multiple options to secure FLEXTRAY to hanger
 - Built in hold down tabs (use screwdriver to bend down tab)
 - Compatible with TOOLLESS CLIP with snap-in locking pin
 - Compatible with WBUHD hold down clip when tray crosswire is aligned over top of hanger
 - Slots and holes for optional hardware attachment
- Corrosion resistant pre-galvanized zinc finish (other finishes available upon request)
- Center hole for up to 1/2" rod
- Hole on each end for up to 3/8" rod
- Threaded rod protector available (SB301-1/2 x 8) see page 21
- When 1/2" trapeze rods are required, add -1/2 to end of part number when ordering



Center Hung



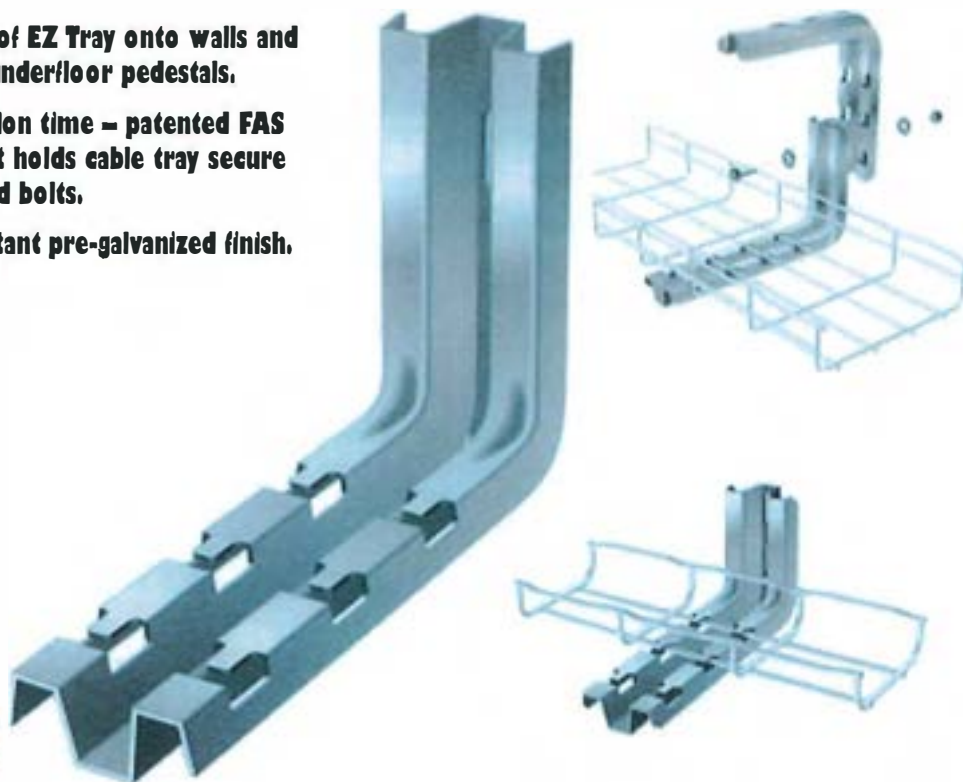
Trapeze

See page 4 for finish information

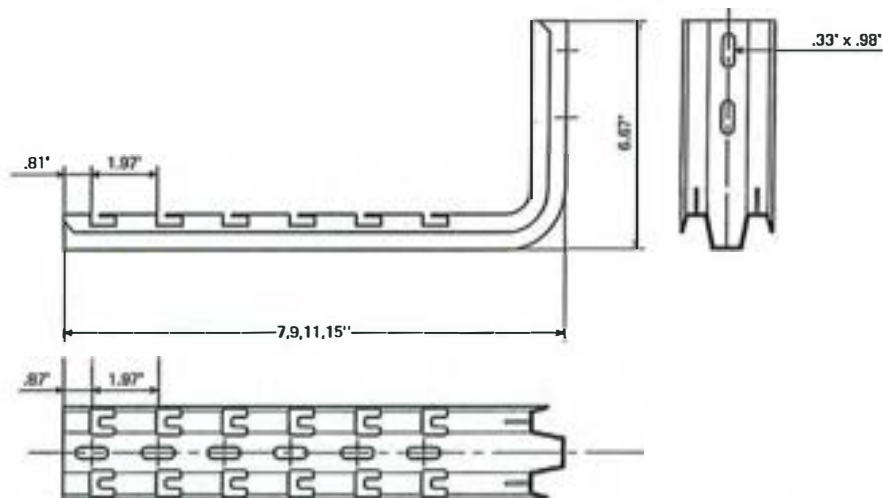
FAS L Brackets

EZTray™

- For installation of EZ Tray onto walls and attachment to under/floor pedestals.
- Reduce installation time – patented FAS style attachment holds cable tray secure without nuts and bolts.
- Corrosion resistant pre-galvanized finish.



FAS
FAST ASSEMBLY SYSTEM



Part #	Description	lb.	Pk. qty.	Safety load/lb.
FAS L100	4" FAS L Bracket	0.9	1	981
FAS L150 PG	6" FAS L Bracket	1.0	1	216
FAS L200	8" FAS L Bracket	1.2	1	173
FAS L300	12" FAS L Bracket	1.4	1	119

CABLOFIL
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fax 618-566-3250
www.cablofil.com


On Line Catalog


	BURNDY Catalog Number	CT50400C
	UPC Number	7818103326899
	Description	50LB NYLON CBL TIES (MS),14.6
	Status	IN L Active
	Web Use	
	BURNDY Product Line	
		Dimensional
	Width (in)	0.18
	Length (in)	14.60
	Length (mm)	371
	Width (mm)	5
		General
	Product Description	Natural Nylon 6/6 Cable Tie, 4 " Max. Bundle Dia, 50 Lbs, 15.50 " Long
		Approvals / Certifications
	Military Specification Number	MS3367-2-9
	Military Specification	MS3367
	ROHS Compatible	Compliant
	CULUS	N
	UV Rated	N
	94V0 Rated	N
	Industry Standards	Military Specified (Mil-Spec)
		Physical
	Max. Bundle Diameter (in)	4.00
	Color	Natural
	Product Material	Nylon 6/6
		Mechanical
	Min Tensile Strength (N)	50
	Min Tensile Strength (lbs)	50
	Documentation	

For further technical assistance, please contact us

BURNDY LLC - USA

47, industrial Park Drive
Manchester NH03109

BURNDY Technical Servcies

47, industrial Park Drive
Manchester NH03109

Hours: 8.00 AM - 5.00 PM

Monday - Friday

Phone: 000-346-4175



L.H. Dottie Company
6131 Garfield Avenue
Commerce, California 90040
Call: 323-725-1000 • **Fax:** 323-721-0000

"Building a Better Brand"

Item # DTP11, Air Handling Cable Tie

11" Air Handling Cable Ties



Product Specifications | Packaging Specifications

Product Specifications

Category Number	5965
UPC Code	781002812074
Length	11.25 in.
Width	.180 in.
Thickness	0.052 in.
Color	Burgundy
Tensile Strength	50 lb.
Industry Standards	AS-33671

Packaging Specifications

Unit Quantity	100
---------------	-----

Carton Quantity	5000
Unit (UM)	C
Package Length	12.50 in.
Package Width	5.70 in.
Package Height	1.10 in.
Package Weight	0.4500 lb.
United Nations Standard Products & Services Code (UNSPSC)	39121703

Our lite series are made of double-sided hook and loop, tested for at least 200+ release cycles. Perfect for use in building installations containing large bundles of network cables, home theater and audio systems, appliances and more. **MADE IN THE U.S.A.**



WrapStrap

WrapStrap is a single strip of double sided hook and loop fastener that quickly and easily wraps around almost anything. One of our most popular items. You can cut it to any length desired. Professional installers choice.

Plenum Rated WrapStrap

Meeting the requirements of these regulations allows these products to be used for wire and cable management above a hung ceiling or below a raised floor. Manufactured from Polypropylene and Nylon. UL (Underwriters Laboratories) 94-V2 FAR 2.5 853 A/B NEC Section 300-22 (C) & (D).



*Actual product colors may appear different.



WrapStrap PLUS

WrapStrap PLUS has the same durability as Rip-Tie WrapStrap. Lower cost and lower profile than WrapStrap. Thickness .03"



CATALOG NO.	MAX BUNDLE DIAMETER	SIZE	PACKAGE UNIT
Pre-Cut WrapStrap			
W-12-...	3.0"	1/2" x 12"	1, 10, & 100 Pack
WrapStrap			
W-...-QRL-		1/4"	10, 15, & 75 Foot Roll
W-60-QSP-		1/4"	600 Foot Spool
W-...-PRL-		3/8"	10, 15, & 75 Foot Roll
W-60-PSP-BK		3/8"	600 Foot Spool
W-...-1RL-		1/2"	10, 15, & 75 Foot Roll
W-60-1SP-		1/2"	600 Foot Spool
W-...-LRL-	N/A	5/8"	10, 15, & 75 Foot Roll
W-...-MRL-		3/4"	10, 15, & 75 Foot Roll
W-60-MSP-BK		3/4"	600 Foot Spool
W-...-HRL-		1"	10, 15, & 75 Foot Roll
W-45-HSP-BK		1"	450 Foot Spool
W-...-JRL-BK		1-1/2"	10, 15, & 75 Foot Roll
W-...-ERL-BK		2"	10, 15, & 75 Foot Roll
W-...-WRL-BK		4"	10, 15, & 75 Foot Roll

CATALOG NO.	MAX BUNDLE DIAMETER	WIDTH	PACKAGE UNIT
Plenum Rated WrapStrap Available in BLACK & CRANBERRY ONLY			
G-75-QRL-		1/4"	75 Foot Roll
G-75-PRL-		3/8"	75 Foot Roll
G-75-1RL-		1/2"	75 Foot Roll
G-60-1SP-		1/2"	600 Foot Roll
G-75-LRL-		5/8"	75 Foot Roll
G-75-MRL-CY	N/A	3/4"	75 Foot Roll
G-60-MSP-		3/4"	600 Foot Roll
G-75-HRL-		1"	75 Foot Roll
G-75-JRL-		1-1/2"	75 Foot Roll
G-75-ERL-		2"	75 Foot Roll
G-75-WRL-		4"	75 Foot Roll
WrapStrap Plus Available in Black/Black			
Q-75-1RL-BK		1/2"	75 Foot Roll
Q-75-LRL-BK	N/A	5/8"	75 Foot Roll
Q-75-MRL-BK		3/4"	75 Foot Roll
Q-75-HRL-BK		1"	75 Foot Roll

Polyester MULETAPE®

Description

Flat, woven, polyester tape used for installing fiber optic, copper, and coaxial cables in underground conduit.

Features & Benefits

- ▲ Lubricated for easy pulling and reduced friction
- ▲ Durably printed with sequential footage or meter markings*
- ▲ Available in a variety of pulling strengths from 200 to 6,000 lbs. (91-2727 kg)
- ▲ Low elongation for enhanced worker safety
- ▲ Lightweight and easily blown into conduit or innerduct
- ▲ Available in splice-free lengths up to 100,000 ft. (30 km) for faster, easier installation
- ▲ Packaged on sturdy wooden or plastic reels
- ▲ Easily spliced using conventional methods or the MULEKNOT™



Please refer to NEPTCO's applications bulletin for instructions on splicing using a MULEKNOT.

POLYESTER MULETAPE PRODUCT ORDERING INFORMATION

PRODUCT	STRENGTH		TYPICAL BOWLINE STRENGTH		TYPICAL MULEKNOT STRENGTH		MINIMUM REEL LENGTHS		MAXIMUM REEL LENGTHS		APPROX. WIDTH
	lbs	(kg)	lbs	(kg)	lbs	(kg)	ft	(km)	ft	(km)	
WP200N**	200	(91)	110	(50)	150	(68)	3000	(1)	100,000	(31)	1/8"
WP400P	400	(182)	190	(86)	300	(136)	3000	(1)	100,000	(31)	1/4"
WP600P	600	(273)	360	(164)	468	(213)	3000	(1)	100,000	(31)	3/8"
WP900P	900	(409)	480	(218)	770	(350)	3000	(1)	100,000	(31)	1/2"
WP1250P	1250	(568)	760	(345)	900	(409)	3000	(1)	70,000	(21)	1/2"
WP1800P	1800	(818)	830	(377)	1400	(636)	3000	(1)	50,000	(15)	5/8"
RP1800P	1800	(818)	830	(377)	1400	(636)	3000	(1)	3,000	(1)	3/8"
WP2500P	2500	(1136)	1300	(591)	1800	(818)	3000	(1)	25,000	(8)	3/4"
RP3300P	3300	(1500)	1900	(864)	2900	(1318)	1000	(.3)	3,000	(1)	1/2"
RP4000P	4000	(1818)	2300	(1045)	3500	(1591)	1000	(.3)	3,000	(1)	5/8"
RP6000P	6000	(2727)	3080	(1400)	5000	(2273)	1000	(.3)	3,000	(1)	3/4"

* All products are also available unprinted

** Product is only available unprinted

PLEASE SEE REVERSE SIDE FOR ADDITIONAL INFORMATION



NEPTCO • 30 Hamlet Street, Pawtucket, Rhode Island 02861
Phone: 401.722.5500 • Toll-free: 800.354.5445 • Fax: 401.722.6378 • Web: www.muletape.com

Recommended MULETAPE® For Outside Plant Fiber Optic Cable Installation

In order to avoid damaging delicate fiber optic cables during installation, it is crucial that the cables not be subjected to excessive strain. The charts below will assist you in selecting the appropriate MULETAPE product for your application.

All Dielectric Fiber Optic Cable

NEPTCO Product	Fiber Type	Fiber Count	Approx. lbs/MFT kg (km)	Approx. Cable Diameter in. (mm)
WP900P	LOOSE TUBE	2-24 FIBERS	70 (104)	.39 (10.0)
WP1250P	LOOSE TUBE	25-96 FIBERS	130 (193)	.58 (14.7)
WP1800P	LOOSE TUBE	97-288 FIBERS	200 (297)	.79 (20.1)
WP1250P	RIBBON	12-96 FIBERS	115 (171)	.59 (15.0)
WP1800P	RIBBON	108-216 FIBERS	180 (268)	.69 (17.5)
WP1800P	RIBBON	288-432 FIBERS	280 (417)	.96 (24.3)
WP2500P	RIBBON	864 FIBERS	290 (431)	1.05 (27.0)

Armored Fiber Optic Cable

NEPTCO Product	Fiber Type	Fiber Count	Approx. lbs/MFT kg (km)	Approx. Cable Diameter in. (mm)
WP900P	LOOSE TUBE	2-24 FIBERS	124 (185)	.51 (13.0)
WP1250P	LOOSE TUBE	25-96 FIBERS	197 (293)	.66 (16.7)
WP1800P	LOOSE TUBE	97-288 FIBERS	325 (484)	.89 (22.6)
WP1250P	RIBBON	12-96 FIBERS	150 (223)	.59 (15.0)
WP1800P	RIBBON	108-216 FIBERS	200 (298)	.69 (17.5)
WP1800P	RIBBON	288-432 FIBERS	363 (540)	.98 (25.0)
WP2500P	RIBBON	864 FIBERS	431 (641)	1.10 (28.0)

Note:

- The duct fill ratio should be less than 50% by cross-sectional area.
- The area of the cable divided by the area of the innerduct should be less than or equal to 0.50 for ease of installation.




WARNING

MULETAPE®: For cable installation only. Do not strap, bind or lift items with this product.

NEPTCO warrants that its products will work in a manner consistent with the capabilities described in the data sheet. This warranty shall be void if the product has been tampered with or improperly used. Except for the express warranty and limited remedies described above, NEPTCO disclaims all other warranties including implied warranties. NEPTCO and its authorized agents shall have no other liability beyond the price of the product for damages to a purchaser, including consequential damages, occurring in connection with the use or performance of the product.



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BUY NOW

DESIGN / INSTALL



LD10WH8-A

One-piece latching surface raceway with pre-applied adhesive backed tape, 8 foot length, White, PVC, Length 8.00 ft.

Specs

Packaging Details

Documents

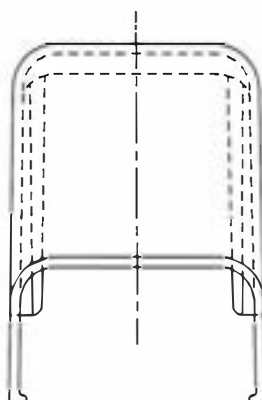
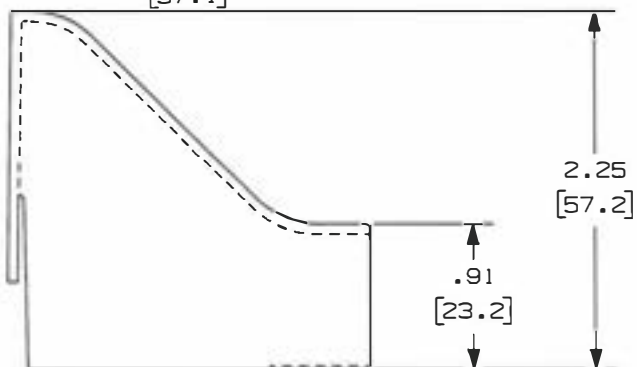
★ Add to Favorites

🛒 Add to BOM

For Use With	LD10
Color	White
Length (In.)	96.00
Product Type	Raceway
Material	PVC
Height (In.)	0.94
Height (mm)	23.9
Internal Area (in ²)	(A = 1.00 in ²)
Length (ft.)	8
Width (In.)	1.51
Width (mm)	38.4
CE Compliant	Yes
CSA Certified	No
UL Recognized	Yes
Depth (In.)	0.94
Depth (mm)	23.9
Fitting Type	Raceway
Length (m)	2.4
Length (mm)	2438
Length ft. (m)	8 (2.4)
Mounting Holes	false
Part Features	One-piece latching surface raceway. 1.51" x 0.94" (38.4mm x 24.0mm). One-piece hinged design allows cables to be laid in. Factory applied adhesive backing speeds installation. Terminates using surface mount outlet box solutions or Panduit Mini-Com Surface Mount Boxes.
Product Length	8'
RoHS Compliancy Status	Compliant
Min. Order Qty.	160,0000



$\triangle E$ $\triangle F$



*1. SEE CURRENT PRICE SHEET FOR
PART NUMBER SUFFIX DESIGNATION
FOR PACKAGE SIZE.

△D

D34017BA_DC_DCF10_02.PRT

				F. ADDED PART NUMBERS DCF10IG-X AND DCF10IW-X						PANDUIT CORP. TINLEY PARK, ILLINOIS
4	03-17-04	JHEP	RMHJ	E. REMOVED PART NUMBERS DCF10BG, DCF10BR, DCF10LG AND DCF10LI	34017-2		RGRD			DROP CEILING FITTING (DCF10) CUSTOMER DRAWING
-	-----	--	--	D. ADDED FILENAME.	-----	--	--			
3	07-08-02	JHNJ	RMHJ	C. REVISED MATERIAL IN DRAWING TITLE BLOCK.	34017-2		RGRD			UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: (.X) ± (.XXX) ± (.XX) ±.03 [.8] ANGLES ±
2	11-25-87	LDB	WJB	B. ADDED PART NUMBERS DCF10EI AND DCF10LI.	34017-2	2	WJB			UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE GIVEN IN INCHES, THIRD ANGLE PROJECTION.
1	10-01-88	RN	WJB	A. DCF10 PART NUMBER WAS DCF.	34017-2	1	WJB		DRAWN BY RN	MAT'L:
R	06-11-88	RN	WJB	RELEASED TO PRODUCTION	34017-2	R	WJB		DATE 06-04-88	SCALE FULL
REV	DATE	BY	CHK	DESCRIPTION	ECN - R	CUST	SUP		CHK'D WJB	ABS ABS DRAWING NO. 34017-02 DWG A SIZE

$+$ 

[]

△D

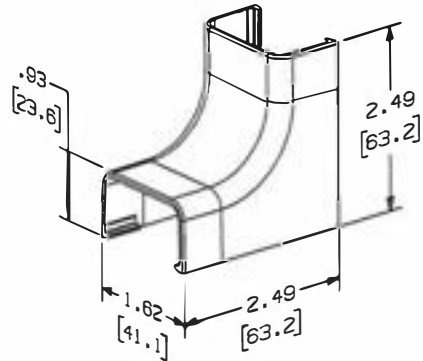
1. SEE CURRENT CATALOG FOR ADDITIONAL PART NUMBER SUFFIXES TO INDICATE COLOR AND OR PACKAGE QUANTITY.
2. THIS PRODUCT IS INTENDED TO BE USED WITH PANDUIT TYPE LD10, LDP10 AND LDP210 RACEWAY.
3. NOMINAL WALL THICKNESSES: .070(1.8).
4. DIMENSIONS IN PARENTHESIS ARE IN METRIC.

+

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THIS COPY IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF PANDUIT CORP.

PANDUIT PART NO.	WEIGHT
ICFC10	3.7 LB/100 PCS (1660 g/100 PCS)



NOTES:

- SEE CURRENT CATALOG FOR ADDITIONAL PART NUMBER SUFFIXES TO INDICATE COLOR AND OR PACKAGE QUANTITY.
- THIS PRODUCT IS INTENDED TO BE USED WITH PANDUIT TYPE LD10 RACEWAY.
- NOMINAL WALL THICKNESSES: .070 (1.8).
- THIS PRODUCT IS FEATURED WITH THE TIA/EIA COMPLIANT BEND RADIUS.
- DIMENSIONS IN PARENTHESIS ARE IN METRIC.



CAD FILENAME/LAYERS D35013BC_LD_ICFC10_02.PRT

PANDUIT CORP. TINLEY PARK, ILLINOIS
INSIDE CORNER FITTING COVER
(ICFC10)
CUSTOMER DRAWING

UNLESS OTHERWISE SPECIFIED,
DIMENSIONAL TOLERANCES ARE:
(.X) ± (.XXX) ±.015 (.4)
(.XX) ±.03 (.8) ANGLES ±

UNLESS OTHERWISE SPECIFIED,
ALL DIMENSIONS ARE GIVEN
IN INCHES, THIRD ANGLE PROJECTION.

2	03-11-04	JHEP	RMH	B. REMOVED CD10 FROM NOTE 2	35013-03	RGRO	RGRO	
1	07-02-02	JHNU	RMH	A. REVISED MATERIAL IN DRAWING TITLE BLOCK	35013-03	RGRO	RGRO	
R	02-10-95	DW	CEF	RELEASED TO PRODUCTION	35013-03	CEF	CEF	
REV	DATE	BY	CHK	DESCRIPTION	ECN	CHK	CUST	SUP

DRAWN BY
DW
DATE
02-10-95
CHECKED BY
CEF

MAT'L:
ABS
A

SCALE
NONE

DRAWING NO.
35013-03

SIZE
A

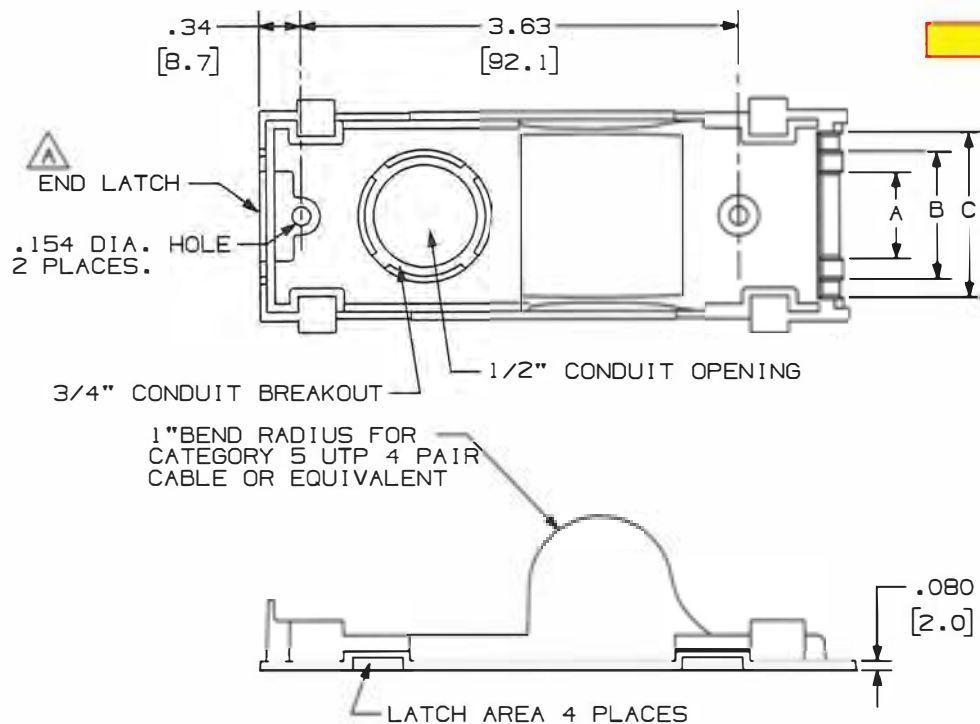


A triangle with the letter 'B' inside it.

1. SEE CURRENT CATALOG FOR ADDITIONAL PART NUMBER SUFFIXES TO INDICATE COLOR AND OR PACKAGE QUANTITY.
2. THIS PRODUCT IS INTENDED TO BE USED WITH PANDUIT TYPE LD10 RACEWAY.
3. NOMINAL WALL THICKNESSES: .070 [1.8].
4. THIS PRODUCT IS FEATURED WITH THE TIA/EIA COMPLIANT BEND RADIUS.
5. DIMENSIONS IN PARENTHESES ARE IN METRIC.

										CAD FILENAME/LAYERS		D35013BD_LD_RAFC10_02.PRT	
										PANDUIT		CORP. TINLEY PARK, ILLINOIS	
										RIGHT ANGLE FITTING COVER		(RAFC10)	
										CUSTOMER DRAWING			
										UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: (.X) ± (.XXX) ±.015 (.4) (.XX) ±.03 (.8) ANGLES ±		UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE GIVEN IN INCHES, THIRD ANGLE PROJECTION.	
2	03-11-04	JHEP	RMHI	B. REMOVED CD10 FROM NOTE 2	35013-04	RGRO	RGRO			DRAWN BY DW		MAT'L: ABS	SCALE NONE
1	07-03-02	JHNU	RMHI	A. REVISED MATERIAL IN DRAWING TITLE BLOCK	35013-04	RGRO	RGRO			DATE 02-13-95	DRAWING NO. 35013-04		A SIZE
R	02-13-95	DW	CEF	RELEASED TO PRODUCTION	35013-04	CEF	CEF			CHECKED BY CEF			
REV	DATE	BY	CHK	DESCRIPTION	ECN	CHK	CUST	SUP					

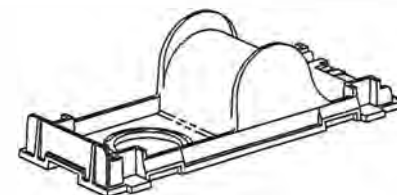
THIS COPY IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF PANDUIT CORP.



PANDUIT PART NO.	WEIGHT	
RAEFX	BASE	1.65 LB/10 PCS (745.9 g/10 PCS)
	COVER	

NOTES:
1. SEE CURRENT CATALOG FOR ADDITIONAL PART NUMBER SUFFIXES TO INDICATE COLOR AND OR PACKAGE QUANTITY.

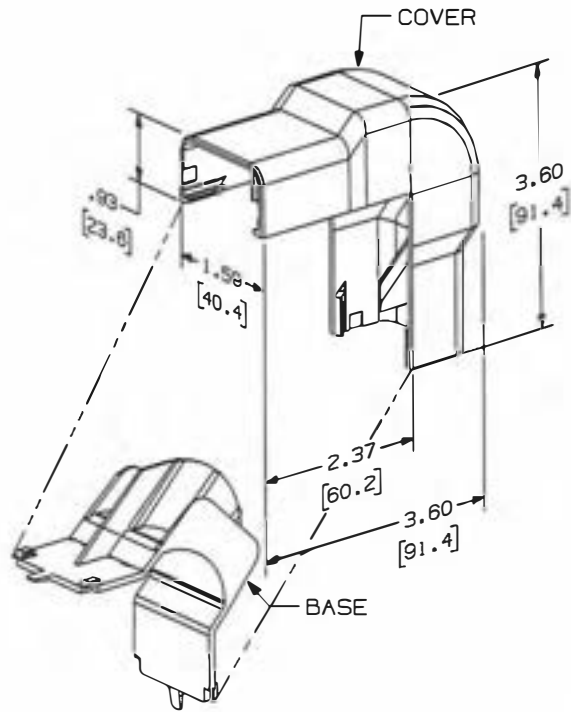
RACEWAY BREAKOUT	USED WITH PAN-WAY RACEWAY	ADAPTERS
A	LD3, LDP3, LDS3	CA3
A	PD3	CAP3
B	LD5, LDP5, LDS5	CA5
B	PD6	CAP6
C	LD10, LDP10	N/A



REV	DATE	BY	CHK	DESCRIPTION	ECN	CHK	CUST	SUP
4	03-18-04	JHEP	RGRD	H. REMOVED PART NUMBERS CD3, CD5 AND CD10	35071-01	RGRD	RGRD	
---	---	---	---	G. ADDED LDS3 AND LDS5. F. REV'D MATERIAL: WAS PVC.	---	---	---	
3	08-23-96	JBA	CEF	D. ADDED LDS3 E. ADDED LDS5 C. REV'D P/N: WAS RAEF.	35071-01	CEF	CEF	
2	08-14-95	DW	CEF	B. REVISED MATERIAL WAS ABS.	35071-01	CEF		
1	07-10-95	DW	CEF	A. ADDED END LATCH TO PART.	35071-01	CEF		
R	01-12-95	KRKE	CEF	RELEASED TO PRODUCTION	35071-01	CEF		

CAD FILENAME/LAYERS		D35071AA_RAEFBASE_C_03.PRT	
PANDUIT		CORP. TINLEY PARK, ILLINOIS	
RIGHT ANGLE ENTRANCE END FITTING		BASE (RAEFX)	
CUSTOMER DRAWING			
UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: (.X) ± (.XXX) ±.010 [.3] (.XX) ±.03 [.8] ANGLES ±		UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE GIVEN IN INCHES, THIRD ANGLE PROJECTION.	
DRAWN BY KRKE	MAT'L: ABS/PC	SCALE NONE	
DATE 01-12-95		DRAWING NO. 35071-01	DWG A
CHECKED BY CEF		SHT 1 OF 2	SIZE

THIS COPY IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF PANDUIT CORP.



PANDUIT PART NO.	WEIGHT
OCFX10	11.9 LB/100 PCS (5410 g/100 PCS)

NOTES:

1. SEE CURRENT CATALOG FOR ADDITIONAL PART NUMBER SUFFIXES TO INDICATE COLOR AND OR PACKAGE QUANTITY.
2. THIS PRODUCT IS INTENDED TO BE USED WITH PANDUIT TYPE LD10, LDP10 AND LDP210 RACEWAY.
3. NOMINAL WALL THICKNESSES;
BASE = .090 [2.3]
COVER = .070 [1.8]
4. THIS PRODUCT IS FEATURED WITH THE TIA/EIA COMPLIANT BEND RADIUS.
5. DIMENSIONS IN PARENTHESIS ARE IN METRIC.

CAD FILENAME/LAYERS D35013BB_LD_OCFX10_01.PRT

PANDUIT CORP. TINLEY PARK, ILLINOIS
OUTSIDE CORNER FITTING BASE AND COVER
(OCFX10)
CUSTOMER DRAWING

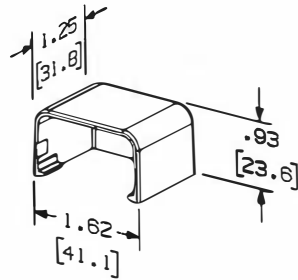
UNLESS OTHERWISE SPECIFIED,
DIMENSIONAL TOLERANCES ARE:
(.X) ±.03 (.8) ANGLES ±
(.XXX) ±.015 (.4)

UNLESS OTHERWISE SPECIFIED,
ALL DIMENSIONS ARE GIVEN
IN INCHES, THIRD ANGLE PROJECTION.

1	03-11-04	JHEP	RGRO	A. REMOVED CD10 FROM NOTE 2	35013-02	RGRO	RGRO		DRAWN BY DW	MAT'L: PVC	SCALE NONE	DRAWING NO. 35013-02	DWG A
R	02-08-95	DW	CEF	RELEASED TO PRODUCTION	35013-02	CEF	CEF		DATE 02-09-95				
REV	DATE	BY	CHK	DESCRIPTION	ECN	CHK	CUST	SUP	CHECKED BY CEF				SIZE

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PANDUIT PART NO.	WEIGHT
ECFX10	1.8 LB/100 PCS (810 g/100 PCS)



NOTES:

1. SEE CURRENT CATALOG FOR ADDITIONAL PART NUMBER SUFFIXES TO INDICATE COLOR AND OR PACKAGE QUANTITY.
2. THIS PRODUCT IS INTENDED TO BE USED WITH PANDUIT TYPE LD10, LDP10 AND LDP210 RACEWAY.
3. NOMINAL WALL THICKNESSES: .070(1.8).
4. DIMENSIONS IN PARENTHESIS ARE IN METRIC.

CAD FILENAME/LAYERS D35013CI_LD_ECFX10_03.PRT

PANDUIT CORP. TINLEY PARK, ILLINOIS
END CAP FITTING COVER (ECFX10)
CUSTOMER DRAWING

3	03-11-04	JHEP	RGRO	D. REMOVED CD10 FROM NOTE 2	35013-09	RGRO	RGRO			UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: (.X) ±.03 (.8) ANGLES ±	UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE GIVEN IN INCHES, THIRD ANGLE PROJECTION.
2	08-23-98	JBA	CEF	C. REV'D MATERIAL: WAS PVC. B. REV'D P/N: WAS ECFC10.	35013-09	CEF				DATE 02-14-95	SCALE NONE
1	04-23-96	JBA	CEF	A. REV'D P/N: WAS ECFX10.	35013-09	CEF				CHECKED BY CEF	DRAWING NO. 35013-09
R	02-14-95	DEW	CEF	RELEASED TO PRODUCTION	35013-09	CEF				MAT'L: ABS/PC	SIZE A
REV	DATE	BY	CHK	DESCRIPTION	ECN	CHK	CUST	SUP			

Technical drawing of a U-shaped metal part. The dimensions are as follows:

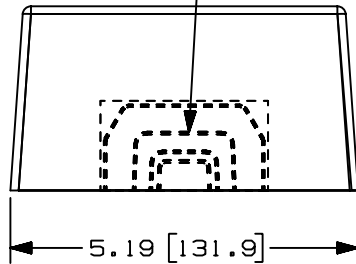
- Top horizontal edge: 4.73 [120.1]
- Right vertical edge: .93 [23.6]
- Bottom horizontal edge: 3.18 [80.8]
- Left vertical edge: 1.62 [41.1]
- Right vertical edge (inner): 1.62 [41.1]

- CAD FILENAME/LAYERS D35013BA_LD_TFC10_02.PRT

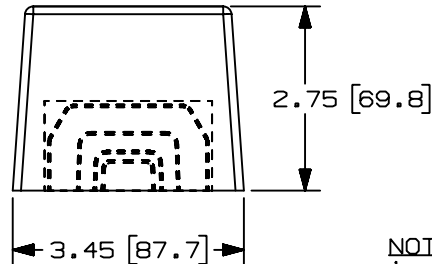
							PANDUIT	CORP.	TINLEY PARK, ILLINOIS
							TEE FITTING COVER (TFC10)		
							CUSTOMER DRAWING		
							UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: (.X) ± (.XXX) ±.015 [.4] (.XX) ±.03 [.8] ANGLES ±		UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE GIVEN IN INCHES, THIRD ANGLE PROJECTION.
2	03-11-04	JHEP	RMH1	B. REMOVED CD10 FROM NOTE 2	35013-01	RGRD	RGRD	DRAWN BY DW	MAT'L: ABS
1	07-08-02	JHNU	RMH1	A. REVISED MATERIAL IN DRAWING TITLE BLOCK.	35013-01	RGRD	RGRD	DATE 02-09-95	SCALE NONE
R	02-08-86	DW	CEF	RELEASED TO PRODUCTION	35013-01	CEF	CEF	CHECKED BY CEF	DRAWING NO. 35013-01
REV	DATE	BY	CHK	DESCRIPTION	ECN	CHK	CUST	SUP	SIZE

THIS COPY IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF PANDUIT CORP.

E
LD STYLE BREAKOUTS ON EACH
OF THE FOUR SIDE WALLS.



G



B

PANDUIT PART NO.	WEIGHT
JBP1D	2.8 LB/10 PCS (1271 g/10 PCS)

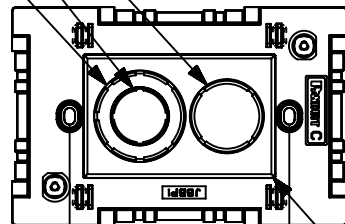
NOTES:

1. SEE CURRENT CATALOG FOR ADDITIONAL PART NUMBER SUFFIXES TO INDICATE COLOR AND/OR PACKAGE QUANTITY.
2. THIS PRODUCT IS INTENDED TO BE USED WITH PANDUIT TYPE LDS, LDP, LD, CD, PD, AND T45 RACEWAYS.
3. DIMENSIONS IN PARENTHESIS ARE IN METRIC.
4. THIS BOX CAN BE USED WITH AN OPTIONAL DIVIDER, PART NO. JBD1.

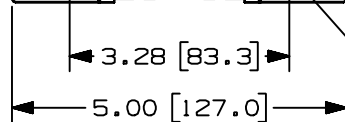
F

A

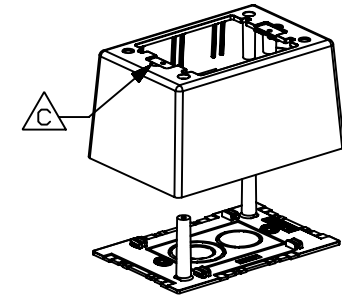
BREAKOUT FOR 1" CONDUIT
BREAKOUT FOR 1/2" CONDUIT
BREAKOUT FOR 3/4" CONDUIT



G



CENTER RECTANGLE
BREAKOUT FOR WALL BOX



C

CAD FILENAME/LAYERS D35541CQ_JBP1D_C_03.PRT (1)

PANDUIT

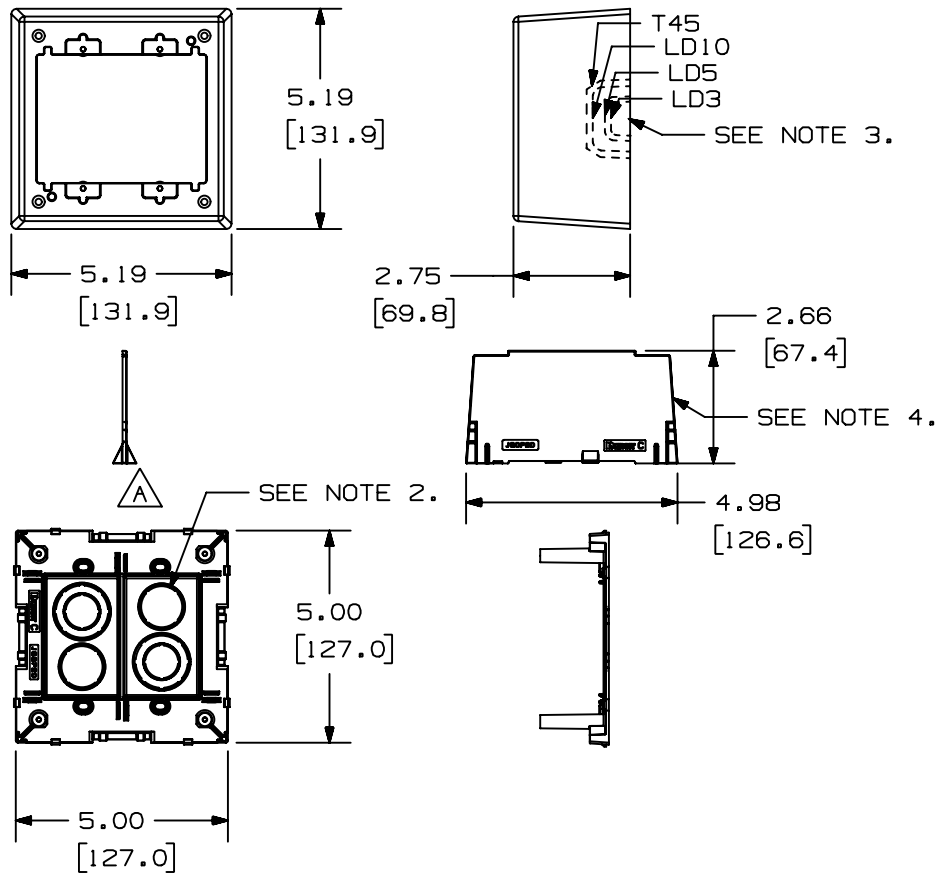
CORP. TINLEY PARK, ILLINOIS

POWER JUNCTION BOX - DEEP
(JBP1D)
CUSTOMER DRAWING

3	01-12-00	JHNU	HIW	G. REVISED GEOMETRY FOR T45 BREAKOUT F. ADDED T45 TO NOTE 2	35541-43	HIW	HIW	
2	03-23-99	DW	HIW	D. MAT'L WAS ABS/PC.; E. CORRECTED BREAKOUTS B. REV'D PART WEIGHT.; C. REV'D FEATURE, NOTED	35541-43	HIW	HIW	
1	05-22-98	DW	HIW	A. NOTE 4 PART NO. WAS JB1	35541-43	HIW	HIW	
R	09-26-96	PM	CEF	RELEASED TO PRODUCTION	35541-43	CEF		
REV	DATE	BY	CHK	DESCRIPTION	ECN	CHK	CUST	SUP

UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: (.X) ± (.XXX) ±.010(.3) (.XX) ±.03(.8) ANGLES ±		UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE GIVEN IN INCHES, THIRD ANGLE PROJECTION.	
DRAWN BY PM	MAT'L: PVC	SCALE NONE	DWG SIZE A
DATE 09-26-96	CHECKED BY CEF	DRAWING NO. 35541-43	

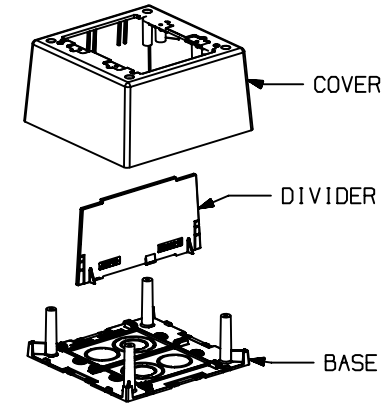
THIS COPY IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF PANDUIT CORP.



PANDUIT P/N	WEIGHT
JBP2D	4.6 LB/10 PCS (2078 g/10 PCS)

NOTES:

1. SEE CURRENT CATALOG FOR ADDITIONAL PART SUFFIXES TO INDICATE COLOR AND OR PACKAGE QUANTITY.
2. CONCENTRIC BREAKOUTS TO ACCOMMODATE CONDUIT SIZES OF 1/2", 3/4", AND 1" DIAMETERS.
3. BREAKOUTS ARE PROVIDED ON ALL FOUR SIDES OF COVER.
4. DIVIDER PROVIDES POWER AND DATA SEPARATION IMMEDIATELY FROM RACEWAY.
5. DIMENSIONS IN PARENTHESES ARE IN METRIC.



CAD FILENAME/LAYERS		D35713BE_DC_JBP2D_01	
PANDUIT		CORP. TINLEY PARK, ILLINOIS	
PAN-WAY 2 GANG DEEP JUNCTION BOX		WITH DIVIDER WALL (JBP2D)	
		CUSTOMER DRAWING	
UNLESS OTHERWISE SPECIFIED, DIMENSIONAL TOLERANCES ARE: (.X) ± (.XXX) ± (.XX) ± .03(.8) ANGLES ±		UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE GIVEN IN INCHES, THIRD ANGLE PROJECTION.	
DRAWN BY DW	MAT'L: PVC	SCALE NONE	
DATE 10-27-97		DRAWING NO. 35713-05	DWG A
CHECKED BY HIW		SIZE A	

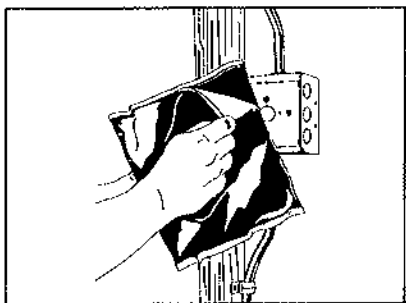
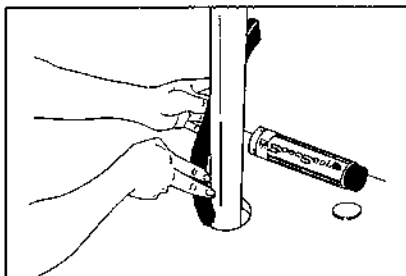
REV	DATE	BY	CHK	DESCRIPTION	ECN	CHK	CUST	SUP
I	01-12-00	JHNUJAWA	A.	REVISED GEOMETRY FOR T45 BREAKOUT	35713-05	HIW	HIW	
R	10-27-97	DW	HIW	RELEASED TO PRODUCTION.	35713-05	HIW	HIW	



SERIES SSP PUTTY & PUTTY PADS

APPLICATIONS

SpecSeal® Series SSP Putty and Putty Pads are used to seal through-penetrations as well as construction gaps and blank openings. SpecSeal® Putty Pads are used to seal around electrical boxes to reduce sound transmission (see Technical Update) and increase fire resistance. These pads also provide a metered method of application when sealing through-penetrations and in some applications, are used to provide a cushion to allow movement due to settling, expansion and contraction, or vibration.



PRODUCT DESCRIPTION

SpecSeal® Series SSP Putty is a non-hardening, intumescent compound designed to seal through-penetrations as well as certain membrane penetrations against the spread of fire, smoke and toxic gasses. SpecSeal® Putty expands up to eight times its original size when exposed to high temperatures or flames.

Requiring no tools, SpecSeal® Series SSP Putty is soft and pliable making it easy to install by hand packing into openings. Its aggressive adhesion makes it suitable for use with all common construction materials as well as cable jacketing and pipes. SpecSeal® Putty remains soft and easy to reuse or retrofit.

SpecSeal® Series SSP Putty Pads provide this same level of protection in a release lined pad for easy application to electrical boxes or other penetrants. The pad is conveniently sized to fit a typical 1-1/2" (38 mm) deep 4S box with no cutting or piecing required. Faced on both sides with a convenient poly liner, SpecSeal® Putty Pads are easily applied with no mess or excessive residue.

FEATURES

- **Non-Hardening** = Easy retrofit!
- **Two Stage Intumescence** features aggressive expansion.
- **Endothermic Fillers** absorb heat & release water.
- **Highly Adhesive** formula Slays put. Allows movement.
- **Soft & Pliable** for easy installation.
- **No Water-Soluble Expansion Ingredients** means better water resistance!
- **Sound Deadening!** Excellent sound attenuation properties. Reduces noise transmission.

PERFORMANCE

SpecSeal® Series SSP Putty is the basis for systems that meet the exacting criteria of ASTM E814 (UL1479). Systems have been tested for all common forms of construction and most common penetrants with ratings up to 3 hours. Sound attenuation properties have also been tested as per ASTM C919 and E90.

Additionally, SpecSeal® Series SSP Putty Pads have been tested to UL263 (ASTM E119, NFPA 251) and are classified for up to 2 hours as a Wall Opening Protective Material for use with both metallic and nonmetallic outlet or switch boxes installed in gypsum wallboard assemblies (steel and wood stud assemblies). Boxes protected with SpecSeal® Putty Pads have been successfully tested with box spacing reduced to less than 16" (406 mm).

PHYSICAL PROPERTIES

PHYSICAL PROPERTIES

Product Name:	Series SSP Putty
Color:	Red
Odor:	None
Density:	1.45 kg/L (12.08 lb/gal)
Solids:	100%
Expansion Begins:	230°F (110°C)
Volume Expansion:	> 500% (free expansion)
In-Service Temp:	-10°F (-23°C) - 120°F (49°C)
Storage Temp:	Less than 120°F (49°C)
STC Rating:	62
VOC Content**:	0.00 lbs/gal (0.0g/L)
Shelf Life:	No Limit

**ASTM D 3960 and EPA Federal Reference Method 24.

	UNDERWRITERS LABORATORIES INC.® CLASSIFIED WALL PROTECTION MATERIAL. SEE PRODUCT CATEGORY IN UL FIRE RESISTANCE DIRECTORY	
	CLASSIFIED FILL, VOID, OR CAVITY MATERIALS FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS. SEE UL DIRECTORY OF PRODUCTS DERIVED FOR CANADA AND UL FIRE RESISTANCE DIRECTORY	

SPECIFICATIONS

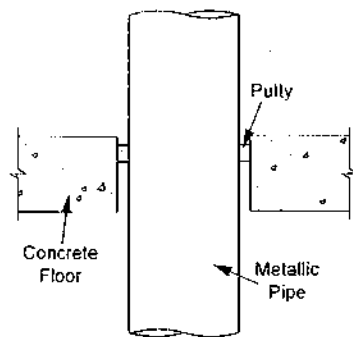
The firestopping putty shall be a one-part, two-stage intumescent, non-hardening compound. The putty, when exposed to high heat or flame shall be capable of expanding a minimum of five times. Range of continuing expansion shall be from 230°F to >1,000°F (110°C to >538°C). The putty shall be soft and pliable with aggressive adhesion and shall not contain any water-soluble intumescent ingredients. The putty shall be UL Classified and/or FM Systems Approved and tested to the requirements of ASTM E814 (UL1479).

SPECIFIED DIVISIONS

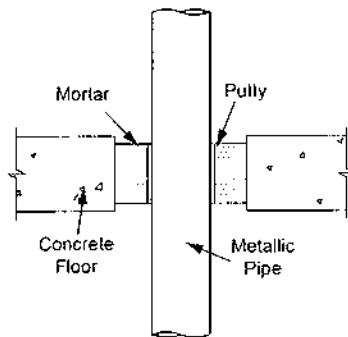
DIV.	7	07840	Through-Penetration Firestopping
DIV.	13	13900	Special Construction Fire Suppression & Supervisory Systems
DIV.	15	15250	Mechanical Insulation – Fire Protection
DIV.	16	16050	Basic Electrical Materials & Methods



Fig. 1: METALLIC PIPE PENETRATIONS - CONCRETE/MASONRY FLOOR

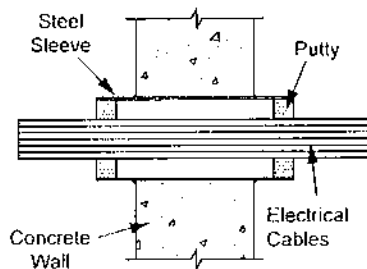


UL System No. C-AJ-1090
 F Rating: 2 hr • T Rating: 0 hr
 Steel or Iron Pipe: 6", EMT 4"
 Annulus: Nominal 1 1/16"
 Putty Depth: 1"
 Forming Material: Optional

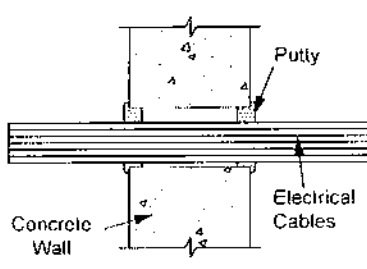


UL System No. C-AJ-8055
 F Rating: 2 hr • T Rating: 0 hr
 Steel or Iron Pipe: 6", EMT 4"
 Annulus: 1" to 6 1/2"
 SpecSeal Mortar Depth: 3 1/2"
 SpecSeal Putty Pad: 1 Layer Encircling

Fig. 2: METALLIC PIPE PENETRATIONS - WALLS

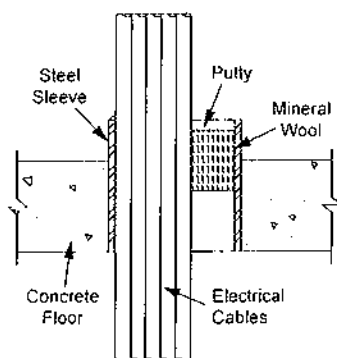


UL System No. W-J-3090
 F Rating: 2 Hr • T Rating: 3/4 Hr
 Electrical, Telephone or Data Cables
 Annulus: Min 0"
 Putty Depth: 1" of Putty on both sides.

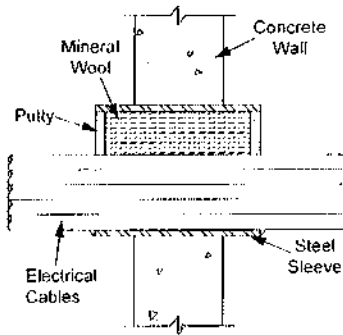


UL System No. W-J-3046
 F Rating: 2 Hr • T Rating: 0 Hr
 Electrical, Telephone or Data Cables
 Annulus: 1/4" to 3/4"
 Putty Depth: 5/8" of Putty on both sides.

Fig. 3: CABLE PENETRATIONS - CONCRETE/MASONRY FLOORS & WALLS



UL System No. C-AJ-3154
 F Rating: 1, 2, 3 & 4 Hr • T Rating: 0, 1/2 & 2 3/4 Hr
 Optional Sleeve: PVC or Steel • Electrical, Telephone or Data Cables • Annulus: 0" to 2"
 Forming Material: Nom 4 pct mineral wool • Putty Depth: 1/2" of Putty; 1" for 4 Hr



INSTALLATION INSTRUCTIONS

GENERAL: Areas to be protected must be clean and free of oil, loose dirt, rust or scale. Installation, storage, and in-service temperatures must be below 120°F (49°C). No drying or curing is required.

SYSTEM SELECTION: Please consult the STI Product and Application Guide as well as the UL® Fire Resistance Directory for applicable through-penetration firestop systems.

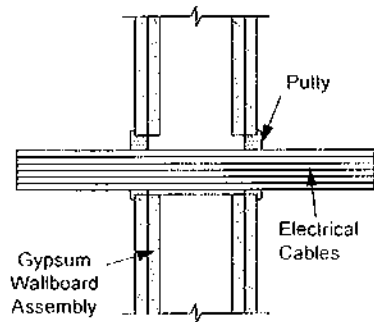
FORMING: Some installations may require forming as either an integral part of the system or as an option to facilitate installation. In systems where forming is required, mineral wool batts (min. 1-1/2" (38 mm) nom. thickness, 4 lb./cu. ft. (64 kg/m³) density) are recommended. Some gypsum wallboard systems utilize fiberglass. Cut forming material oversize to allow for tight packing. Recess forming material at a depth which allows for the proper depth of fill material.

FILL MATERIAL: SpecSeal® Series SSP Putty may be installed by hand packing into the penetration. Care should be exercised to work the putty into and against all contact surfaces. Install putty to required depth. Work putty into all areas, exercising care to eliminate voids or seams. Where possible, space all penetrants adequately to allow putty to be packed into all voids and assure a good smoke seal. Most firestop system designs utilize a 1" (25 mm) depth of SpecSeal® Series SSP Putty.

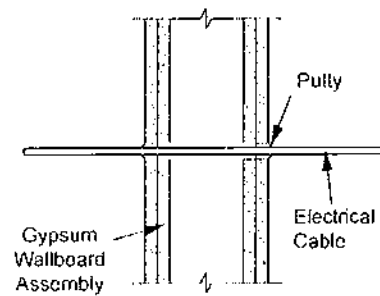
PUTTY PADS: SpecSeal® Series SSP Putty Pads are available as a 7.25" x 7.25" x 3/16" (184 x 184 x 4.8 mm) or a 9" x 9" x 3/16" (229 x 229 x 5 mm) poly release faced pad for protection of recessed electrical boxes and as a through-penetration sealant. The pad is sized to fit a common 1-1/2" (38 mm) deep 4S electrical box. To install remove release liner from one side of pad. Align edge of pad to top of box and center pad. Adhere pad to top of box and bring pad down over the back of the box. Adhering pad to all outer surfaces will create excess material at the corners. Pinch pleat material together and fold against sides of box or trim off as desired. Putty pad must be applied to a uniform depth of 3/16" (4.8 mm) (one layer of pad) over the exterior surface of box for both 1 and 2 hour applications. Optionally, additional putty may be packed into conduit fittings to prevent the transmission of smoke through the conduit system.

Pads may also be used in through-penetrations. Strips of pad may be cut off and packed around penetrants. Pad strips may also be applied to penetrants in a mortar system to create a firestop as well as a cushion to absorb movement due to expansion and contraction or vibration.

Fig. 4: CABLE PENETRATIONS - GYPSUM BOARD WALLS

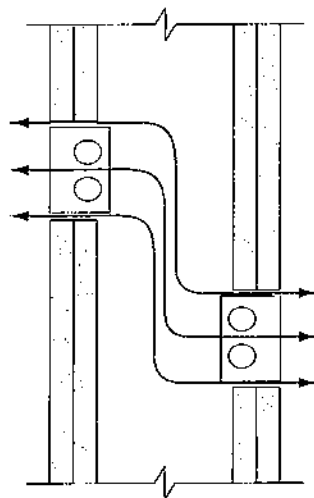


UL System No. W-L-3135
F Rating – 1 & 2 Hr • T Rating – 0 Hr
Electrical, Telephone or Data Cables
Annulus: 1/4" to 3/4"
Putty Depth: 5/8" of Putty on both sides.

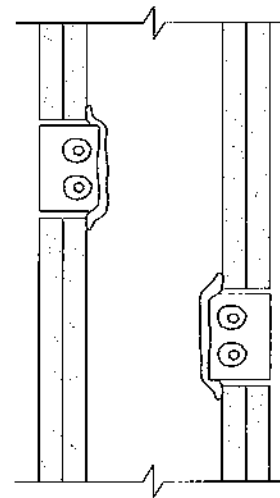


UL System No. W-L-3024
F Rating – 1 & 2 Hr • T Rating – 0, 1/2, 1 & 2 Hr
Electrical, Telephone or Data Cables
Annulus: 0" to 1/4"
Putty Depth: 5/8" of Putty on both sides.

Fig. 5: EXAMPLE OF MAINTAINING STC VALUES OF WALL AND CREATING AN EFFECTIVE SOUND BARRIER

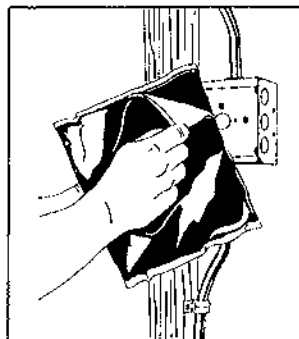


Arrows show path of sound travel.

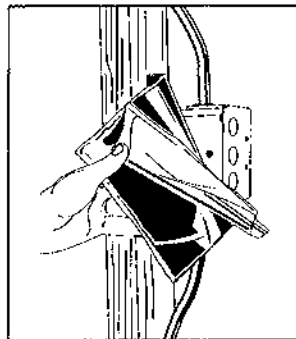


Putty pad reduces sound transmission by blocking path of sound travel.

INSTALLATION OF PUTTY PADS ON ELECTRICAL BOXES (Protective Wall Opening Material)



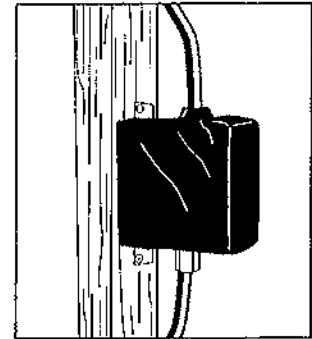
STEP 1



STEP 2



STEP 3



STEP 4

Remove poly liner from one side of pad (Step 1). Align pad to the side of box partially overlapping the stud and adhere. Working to the opposite side of the box to the edges (Step 2). If wall membrane is in place, pack putty into gaps between box and gypsum board slightly overlapping inner wallboard surface. If membrane is to be installed after pad installation, overlap front edge of box so that putty will be compressed around edges of box as wallboard is installed. Cut slits in pad to fit around conduits or cables (Step 3). Press pad to surface of top, bottom, and sides of box (Step 4). Trim excess at corners and apply to conduit fittings connected to the box. Optionally, putty may be packed into inside of conduit fittings to prevent passage of smoke.

MAINTENANCE

Installations should be inspected periodically for subsequent damage. Any damage should be repaired using SpecSeal® products per the original approved design.

CLEAN UP

Remove excess material from all contact surfaces immediately. Clean hands or skin using a waterless hand cleaner. When using water-emulsifiable soaps, apply soap and work over areas of skin contact prior to applying water.

TECHNICAL SERVICE

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL Systems, Material Safety Data Sheets and other technical information is available at the Technical Library at www.stifirestop.com.

PRECAUTIONARY INFORMATION

Consult Material Safety Data Sheet for additional information on the safe handling and disposal of this material. Wash areas of skin contact with soap and water. Avoid contact with eyes. DO NOT APPLY TO EXPOSED ELECTRICAL CONDUCTORS.

AVAILABILITY

SpecSeal® Series SSP Putty is available from authorized STI distributors nationwide. Consult factory for the names and locations of the nearest sales representatives or distributors. 

TABLE A: ORDERING INFORMATION

CAT. NO.	DESCRIPTION	CASE QTY.
SSP100	36 in ³ (0.6 liter) bar	6
SSP28	24 in ³ (0.4 liter) bar	6
SSP4S	7.25" x 7.25" x 3/16" (184 x 184 x 5 mm) pad	20
SSP9S	9.00" x 9.00" x 3/16" (229 x 229 x 5 mm) pad	20



CITY OF NEW YORK MEA 30-92-M

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WARRANTY

Specified Technologies Inc. manufactures its goods in a manner to be free of defects. Should any defect occur in its goods (within one year), Specified Technologies Inc., upon prompt notification, will at its option, exchange or repair the goods or refund the purchase price.

LIMITATIONS AND EXCLUSIONS:

THIS WARRANTY IS IN LIEU OF ALL OTHER REPRESENTATIONS EXPRESSED OR IMPLIED (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR USE) AND UNDER NO CIRCUMSTANCES SHALL SPECIFIED TECHNOLOGIES INC. BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL PROPERTY DAMAGE OR LOSSES. PRIOR TO USE, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND THE USER ASSUMES ALL RISKS AND LIABILITY FOR SUBSEQUENT USE.

No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

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Specified Technologies Inc.

Specified Technologies Inc. • 200 Evans Way, Somerville NJ 08876 • Phone: 800.992.1180 • Fax: 908.526.9623





SERIES FP INTUMESCENT FIRESTOP PLUG

APPLICATIONS

SpecSeal® Series FP Intumescent Firestop Plugs are designed for temporary or permanent sealing of single or grouped cables and blank openings through common construction such as concrete or gypsum board.



PRODUCT DESCRIPTION

SpecSeal® Series FP Intumescent Firestop Plugs are soft and supple, foam plugs molded from polyurethane. Plugs are conveniently sized to fit 2 or 4 in. (51 or 102 mm) diameter openings or sleeves fabricated from electrical metallic tubing (EMT). The intumescent plugs expand when exposed to heat to quickly close off around combustible jacketed cables.

FEATURES

- Intumescent - expands in all directions
- Reinstallable - easy retrofitting of cables
- Easy to install - no special tools required
- Soft and resilient foam - conforms to cable surfaces
- Paintable - can be painted to match surroundings

PERFORMANCE

SpecSeal® Series FP Intumescent Firestop Plugs were tested to meet the exacting criteria of ASTM E814 (UL1479) and CAN/ULC S115. Tested systems were developed providing up to 2 hour ratings for penetrations of cables and blank openings through concrete and gypsum board/stud wall assemblies.



FILL, VOID OR CAVITY MATERIALS FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS. SEE UL FIRE RESISTANCE DIRECTORY.

3L73

PHYSICAL PROPERTIES

PROPERTIES:	SERIES FP INTUMESCENT FIRESTOP PLUG
Color	Red
Nominal Density	19 pcf (304 kg/m ³)
Weight	2 in. - 0.20 lb (91 g) 4 in. - 0.50 lb (227 g)
Expansion Begins	350° F (176° C)
Volume Expansion	10 X
In-Service Temperature	<130° F (54° C)
Shelf Life	N.A.
VOC Content	N.A.

SPECIFICATIONS

The firestopping system shall utilize an intumescent foam plug having a nominal density of 19 pcf. The plug shall expand a minimum 10 times. The one-piece product shall be sized to fit the inside diameter of the opening or sleeve. The plug shall be UL Classified and tested to the requirements of ASTM E814 (UL1479) and CAN/ULC S115.

SPECIFIED DIVISIONS

Division	Section	Title
7	07 84 00	Firestopping
26	26 00 00	Electrical
27	27 00 00	Communications



INSTALLATION INSTRUCTIONS

GENERAL: Inspect area to be protected. Remove sharp edges or protruding wires or ties that can damage foam plugs.

SYSTEM SELECTION: Consult UL Fire Resistance Directory Volume 2A and 2B or UL's Online Certifications Directory at www.ul.com or STI Product and Application Guide to select suitable UL Classified design.

INSTALLATION OF PLUGS: For blank openings, insert plug into end of sleeve or opening on both sides of wall. When cables are present, slit plug to accommodate single or grouped cables. As an option, use SpecSeal® Putty or Sealant to fill grouped cable interstices. NOTE: Sealant can glue cables together. Only use sealant for permanent installations. If retrofit is required or desired, use putty.

MAINTENANCE

Installations should be inspected periodically for subsequent damage. Replace any damaged foam plugs.

TECHNICAL SERVICE

Specified Technologies Inc. provides toll free technical support to assist in product selection and appropriate installation design. UL Systems, Material Safety Data Sheets and other technical information is available at the Technical Library at www.stifirestop.com.

PRECAUTIONARY INFORMATION

No unusual hazards are known or expected. Observe normal safety procedures during installation.

AVAILABILITY

SpecSeal® Series FP Intumescent Firestop Plugs are available from authorized STI distributors worldwide. Visit www.stifirestop.com or call 800.992.1180 for information concerning where to purchase these and other STI products.

ORDERING INFORMATION

Cat. No.	Description	Case Quantity
FP200	Plug sized for 2 in. (51 mm) opening/sleeve	10
FP400	Plug sized for 4 in. (102 mm) opening/sleeve	10

Important Notice: All statements, technical information, and recommendations contained herein are based upon testing believed to be reliable, but the accuracy and completeness thereof is not guaranteed.

WARRANTY: Specified Technologies Inc. manufactures its goods in a manner to be free of defects. Should any defect occur in its goods (within one year), Specified Technologies Inc., upon prompt notification, will at its option, exchange or repair the goods or refund the purchase price.

Limitations and Exclusions: THIS WARRANTY IS IN LIEU OF ALL OTHER REPRESENTATIONS EXPRESSED OR IMPLIED (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR USE) AND UNDER NO CIRCUMSTANCES SHALL SPECIFIED TECHNOLOGIES INC. BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL PROPERTY DAMAGE OR LOSSES. PRIOR TO USE, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND THE USER ASSUMES ALL RISKS AND LIABILITY FOR SUBSEQUENT USE.

No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

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Technical Service 1-800-992-1180
www.stifirestop.com

STI Product Data Sheet • Series FP Intumescent Firestop Plug • FOD-5125 09/2009



Building Entrance Terminals

INDOOR - 110 CONNECTOR SERIES - BET

1880ECA1-25

25 PAIR - INDOOR BET - 110/110 - COVER & SPLICE CHAMBER



Product Specifications

UL497 Primary Protector for Communication Circuits

NAFTA Country of Origin: CANADA - All Models are "Buy America Act" Approved.

These 16 AWG steel building entrance terminals feature an industry standard 110 - style connector for both the input and output terminals. Also included are multiple external and internal ground lugs. UL approved standard on all terminals. Standard 5-pin protection modules, available in gas tube, solid state and hybrid versions, can be purchased separately. Call for more detailed information on RDUP/RUS-listed units.

Features & Benefits

- 16 AWG Powder Coated Steel Construction
- Equipped with an Internal 26 AWG Fuse Link
- External Ground Connectors Accept 6 - 14 AWG Wire
- Industry Standard 5 Pin Design
- Exceeds UL497 Primary Protection Standards
- Stackable with Connection Grommets Included
- 110 Connector Accepts 22 - 26 AWG Wire



1880ECA1-25

Ordering Information

Model Number	Stock Code	Pair Count	Input	Output	Dimensions (H" x W" x D")	Weight (lbs)
1880ECA1-25	304004	25	110	110	9.20 x 15.25 x 4.75	14

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Building Entrance Terminals

INDOOR - 110 CONNECTOR SERIES - BET

1880ECA1-25

25 PAIR - INDOOR BET - 110/110 - COVER & SPLICE CHAMBER

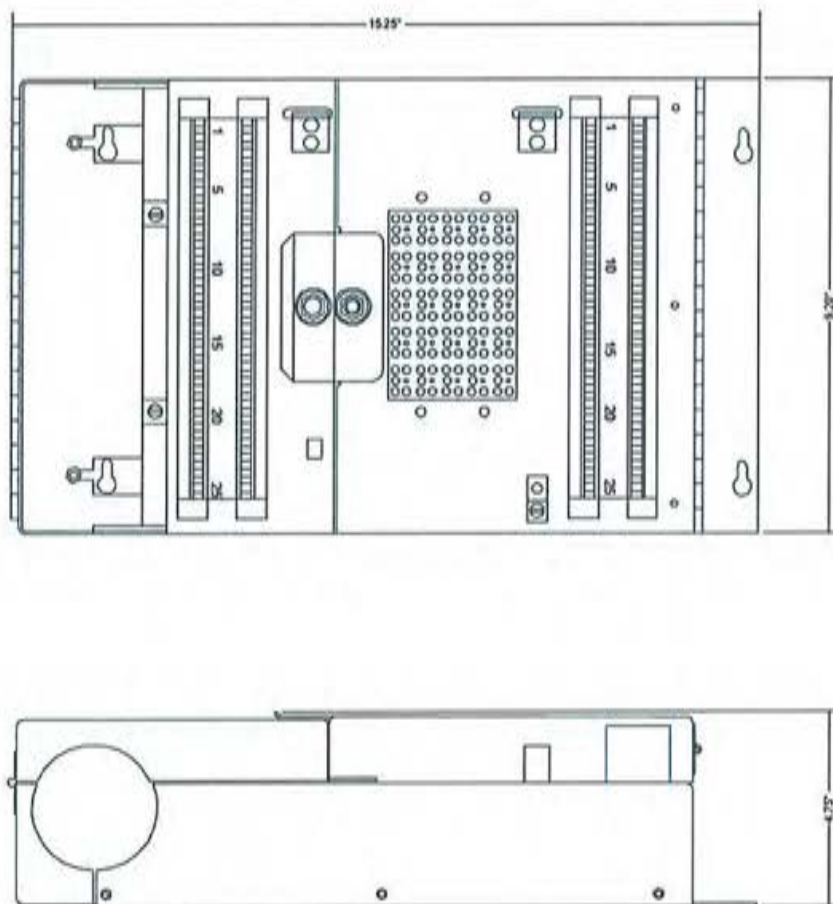


Underwriters
Laboratories

Physical Dimensions

UL497 Primary Protector for Communication Circuits

9.20 x 15.25 x 4.75
(H" x W" x D")



Notes

Installation:

Indoor Wall Mount

Previous Model Number : 1880ECA1-25G

Splice Chamber: Separate enclosure and cover for OPS gel filled Input cable

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Building Entrance Terminals

INDOOR - 110 CONNECTOR SERIES - BET

1880ECA1-50

50 PAIR - INDOOR BET - 110/110 - COVER & SPLICE CHAMBER



Product Specifications

UL497 Primary Protector for Communication Circuits

NAFTA Country of Origin: CANADA - All Models are "Buy America Act" Approved.

These 16 AWG steel building entrance terminals feature an industry standard 110 - style connector for both the input and output terminals. Also included are multiple external and internal ground lugs. UL approved standard on all terminals. Standard 5-pin protection modules, available in gas tube, solid state and hybrid versions, can be purchased separately. Call for more detailed information on RDUP/RUS-listed units.

Features & Benefits

- 16 AWG Powder Coated Steel Construction
- Equipped with an Internal 26 AWG Fuse Link
- External Ground Connectors Accept 6 - 14 AWG Wire
- Industry Standard 5 Pin Design
- Exceeds UL497 Primary Protection Standards
- Stackable with Connection Grommets Included
- 110 Connector Accepts 22 - 26 AWG Wire



1880ECA1-50

Ordering Information

Model Number	Stock Code	Pair Count	Input	Output	Dimensions (H" x W" x D")	Weight (lbs)
1880ECA1-50	316016	50	110	110	9.20 x 15.25 x 4.75	15

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Building Entrance Terminals

INDOOR - 110 CONNECTOR SERIES - BET

1880ECA1-50

50 PAIR - INDOOR BET - 110/110 - COVER & SPLICE CHAMBER

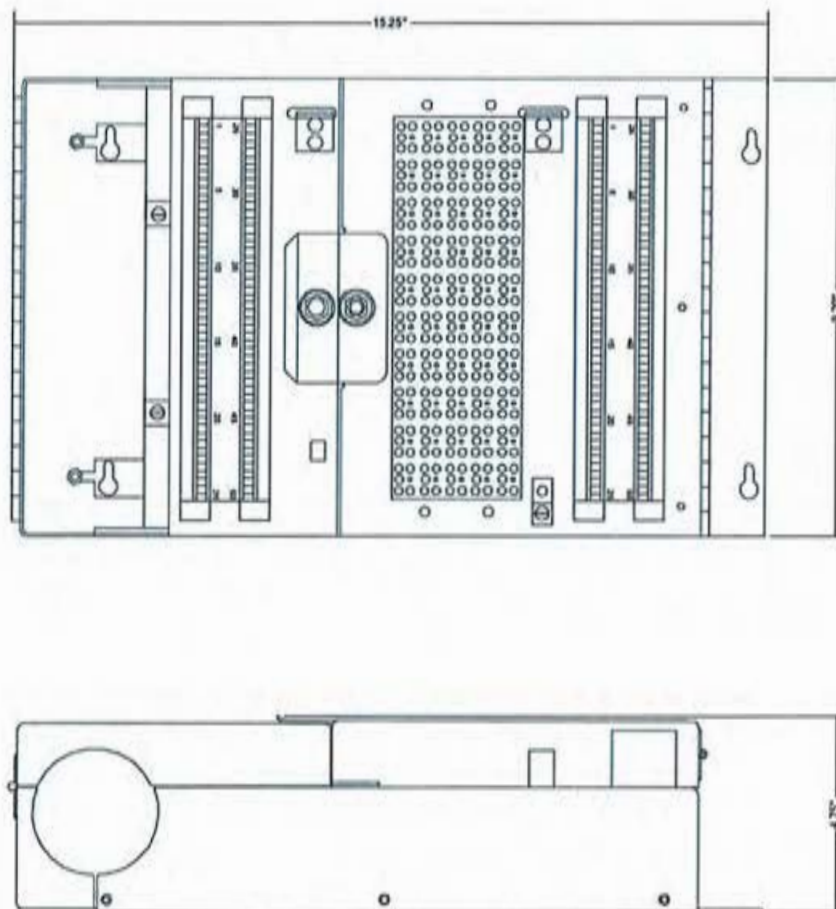


Underwriters
Laboratories

Physical Dimensions

UL497 Primary Protector for Communication Circuits

9.20 x 15.25 x 4.75
(H" x W" x D")



Notes

Installation:

Indoor Wall Mount

Previous Model Number : 1880ECA1-50G

Splice Chamber: Separate enclosure and cover for OPS gel filled Input cable

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Building Entrance Terminals

INDOOR - 110 CONNECTOR SERIES - BET

1880ECA1-100

100 PAIR - INDOOR BET - 110/110 - COVER & SPLICE CHAMBER



Underwriters
Laboratories

Product Specifications

UL497 Primary Protector for Communication Circuits

NAFTA Country of Origin: CANADA - All Models are "Buy America Act" Approved.

These 16 AWG steel building entrance terminals feature an industry standard 110 - style connector for both the input and output terminals. Also included are multiple external and internal ground lugs. UL approved standard on all terminals. Standard 5-pin protection modules, available in gas tube, solid state and hybrid versions, can be purchased separately. Call for more detailed information on RDUP/RUS-listed units.

Features & Benefits

- 16 AWG Powder Coated Steel Construction
- Equipped with an Internal 26 AWG Fuse Link
- External Ground Connectors Accept 6 - 14 AWG Wire
- Industry Standard 5 Pin Design
- Exceeds UL497 Primary Protection Standards
- Stackable with Connection Grommets Included
- 110 Connector Accepts 22 - 26 AWG Wire



1880ECA1-100

Ordering Information

Model Number	Stock Code	Pair Count	Input	Output	Dimensions (H" x W" x D")	Weight (lbs)
1880ECA1-100	329029	100	110	110	11.00 x 14.75 x 6.25	15

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Building Entrance Terminals

INDOOR - 110 CONNECTOR SERIES - BET

1880ECA1-100

100 PAIR - INDOOR BET - 110/110 - COVER & SPLICE CHAMBER

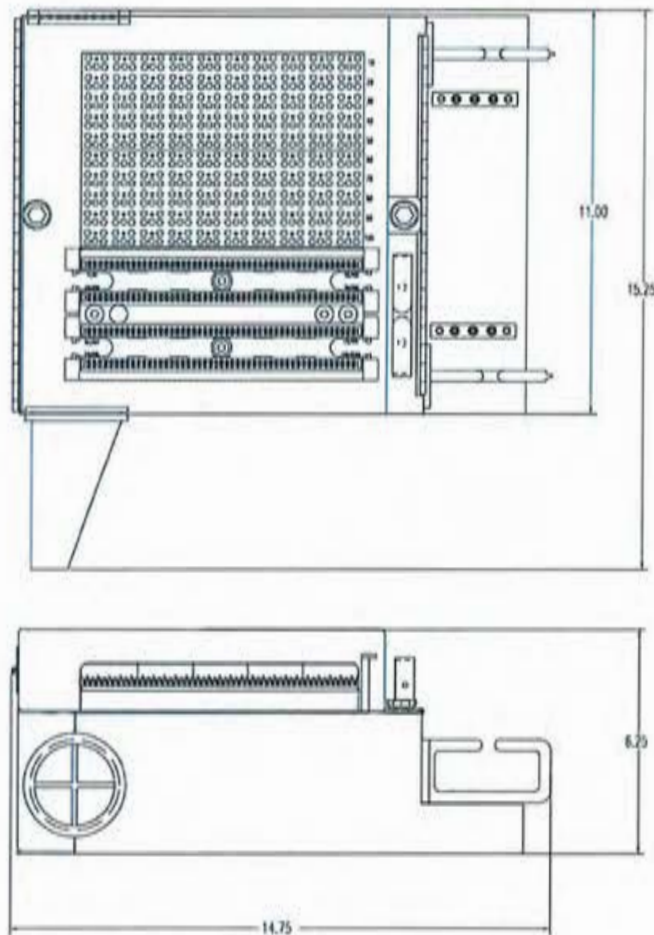


Underwriters
Laboratories

Physical Dimensions

UL497 Primary Protector for Communication Circuits

11.00 x 14.75 x 6.25
(H" x W" x D")



Notes

Installation:

Indoor Wall Mount

Previous Model Number : 1880ECA1-100G

Splice Chamber: Separate enclosure and cover for OPS gel filled Input cable

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SURGE PROTECTION MODULES

5 PIN - SOLID STATE MODULE SERIES

3BIS-300 & 4B1S-300

5 PIN - Solid State - Surge Protection Module



Product Specifications

UL 497 Primary Protector for Communication Circuits

The 3B1S-300 is a premium series 5 PIN solid state protector module that is designed to provide superior transient and power fault protection for most standard telephone line applications.

These solid state modules are suited to applications that require the protection of sensitive telephone equipment due to their nanosecond reaction time.

The characteristics of the solid state protector are far superior to gas tube technology in speed and are virtually immune to overshoot, aging and failure due to repeated tripping.

The 4 - Series features PTC (positive temperature coefficient) technology. These optional self-resetting current limiters provide effective protection from 'sneak current' faults. The PTC is vastly superior to the heat coil solution, which requires that the module be replaced after each 'sneak current' event.

Nanosecond Response Time

Internal Failsafe Mechanism that Permanently
Grounds the Module Under Sustained High Current
Conditions

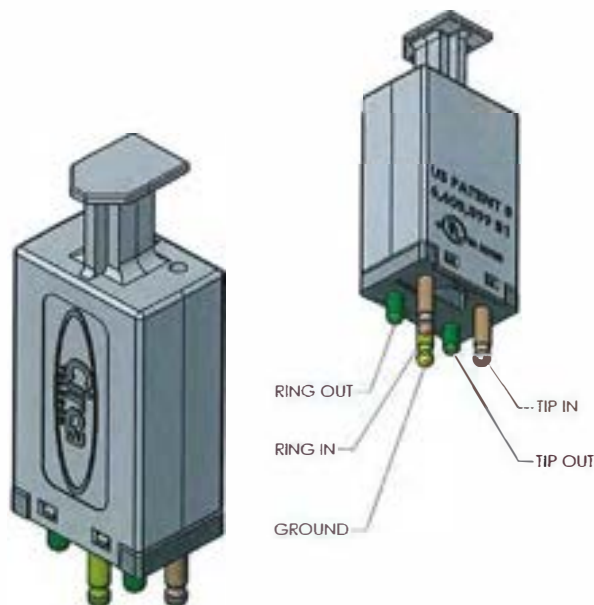
Balanced Operation

UL Listed and RUS Approved

Design to Exceed Telcordia Standards

Integrated Test Points

ISO 9001 Certified Manufacturer



Ordering Information

Model Number	Stock Code	Application	Color	Clamping Voltage
3BIS-300	770131	Low Impedance for Long Cable Runs	Black	300V
4B1S-300	770135	Low Impedance for Long Cable Runs (4 Series has PTC)	Black	300V
3B3S-300	770133	Low Impedance for Long Cable Runs	Red	300V

RUS Approved Material - 2011 Edition RUS Publication 344-2 - Section 4.1.3 and 4.2.1

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SURGE PROTECTION MODULES

5 PIN - SOLID STATE MODULE SERIES

3BIS-300 & 4B1S-300

5 PIN - Solid State - Surge Protection Module

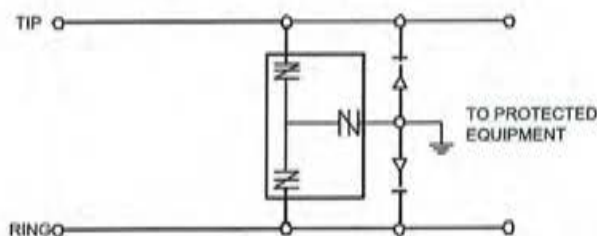


Product Specifications

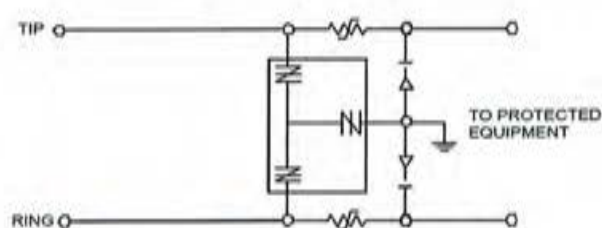
UL 497 Primary Protector for Communication Circuits

Module	3BIS-300	4B1S-300
DC Break Over - @ 100V/ μ S	300V	300V
Peak Pulse Current ⁽¹⁾		
@ 8 x 20 μ S	250A	250A
@ 10 x 160 μ S	150A	150A
@ 10 x 1000 μ S	100A	100A
Response Time	< 5 nanoseconds	< 5 nanoseconds
Holding Current	200 mA	200 mA
Surge Life ⁽²⁾		
@ 10A @ 10 x 1000/ μ S	Unlimited Operations	Unlimited Operations
@ 100A @ 10 x 1000/ μ S	> 300 Operations	> 300 Operations
@ 65A rms, 11 cycles, 130A	> 60 Operation	> 60 Operation
@ 10A rms, 1 sec, 20A	> 20 Operations	> 20 Operations
Capacitance		
1V rms @ 1KHz, 50V DC	< 45 pF	< 45 pF
Insulation Resistance		
@ 50V DC	100M Ω	100M Ω
Fail-Safe Operation		
@ 1.0A rms	< 50 Seconds	< 50 Seconds
@ 5.0A rms	< 15 Seconds	< 15 Seconds
@ 20A rms	< 10 Seconds	< 10 Seconds
@ 60A rms	< 3 Seconds	< 3 Seconds
Current Limiters (4 Series with PTC)		
Hold Current @ 20° C	N/A	145 mA
Line Series Resistance	N/A	4 - 6 Ω

3BIS-300 - Symmetrical



4B1S-300 - Symmetrical





SURGE PROTECTION MODULES

5 PIN - SOLID STATE MODULE SERIES

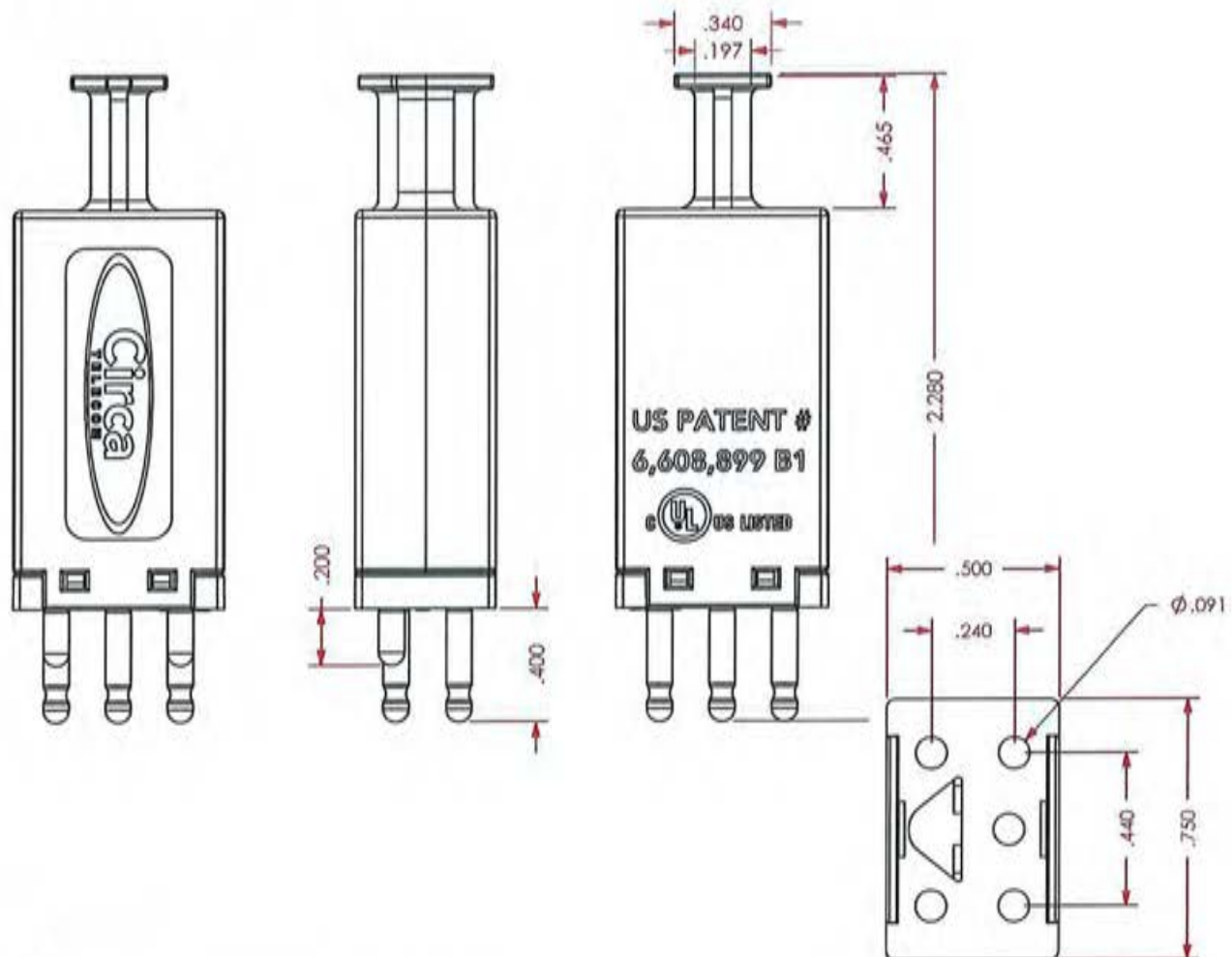
3BIS-300 & 4B1S-300

5 PIN - Solid State - Surge Protection Module



Physical Dimensions

UL 497 Primary Protector for Communication Circuits



Notes

(1) Total surge rating is 2x listed with respect to ground during simultaneous surge.

(2) Meets Bellcore TR-NWT-000974 service life requirements.

Pin alloy refers to tip and ring pins. Unless otherwise noted, all ground pins are tin.

Previous Model Numbers: C3B1S, CT3B1S, CT3B1S-BAL, CT3B1S/HD, CT4B1S-PTC/BAL, 3C1S, 4C1S

RUS Approved Material - 2011 Edition RUS Publication 344-2 - Section 4.1.3 and 4.2.1

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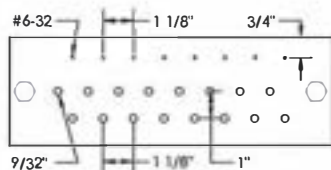
6293 W. Linebaugh Ave - Tampa, FL 33625
Phone 800.783.6556 - Fax 813.676.2060 - Email circatech@circa telecom.com - www.circa telecom.com

Grounding Busbar – EGBA14410FF



Proper bonding is essential to create an equipotential plane between service grounds and equipment during fault and transient conditions. This equipotential plane provides a near-zero voltage differential, and serves to protect people and equipment during these events. The grounding busbar is the most popular bonding product in use today.

- Provides a convenient, single-point grounding and bonding location
- Conductors are welded to the bar using a ERICO CADWELD exothermic connection or are mechanically fastened by using lugs
- Custom bars can be designed and manufactured to customer specifications



Part Number	EGBA14410FF
Material	Copper
Busbar Configuration	Busbar, Insulators and Brackets
Hole Pattern	FF
Mounting Hole Size	0.438"
Length	10"
Width	4"
Thickness	1/4"
Tin Plating	No
Pigtail Included	No
Certifications	cULus
Standard Packaging Quantity	1 pc
UPC	78285646526

Diagrams are representative of the hole pattern. The number of holes is dependent on the length of the grounding busbar. Additional configurations are available by special order. Note special orders may incur additional lead time.

UL, UR, cUL, cUR, cULus and cURus are registered certification marks of UL LLC.

WARNING

Pentair products shall be installed and used only as indicated in Pentair's product instruction sheets and training materials. Instruction sheets are available at erico.pentair.com and from your Pentair customer service representative. Improper installation, misuse, misapplication or other failure to completely follow Pentair's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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THHN/THWN/TFFN THERMOPLASTIC INSULATION NYLON JACKETED



Copper and Aluminum Conductor—600 Volts

Small-diameter single conductor PVC insulated/Nylon jacket wire suitable for use in dry locations at a conductor operating temperature of 90°C and in wet locations at 75°C. It is also by UL as Type MTW 90°C, AWM 105°C, and VW-1, and is Gasoline and Oil Resistant. Sizes 1/0 AWG and larger are re sized for CT use.

Catalog #	AWG	No. of Strands	Insul. Thickness In.	Jacket Thickness	O.D. In.	Lbs. M/Ft.	
						Copper	A
THHN-14-SOL	14	1	.015	.004	.11	16	
THHN-12-SOL	12	1	.015	.004	.12	24	
THHN-10-SOL	10	1	.020	.004	.15	37	
TFFN-18-STR	18*	16	.015	.004	.09	8	
TFFN-16-STR	16*	26	.015	.004	.10	12	
THHN-14-STR	14	19	.015	.004	.11	16	
THHN-12-STR	12	19	.015	.004	.13	24	
THHN-10-STR	10	19	.020	.004	.17	39	
THHN-8-STR	8	19	.030	.005	.22	64	
THHN-6-STR — GRN	6	19	.030	.005	.26	96	
THHN-4-STR	4	19	.040	.006	.33	154	
THHN-3-STR	3	19	.040	.006	.36	191	
THHN-2-STR	2	19	.040	.006	.39	236	
THHN-1-STR	1	19	.050	.007	.45	302	
THHN-1/0-STR	1/0	19	.050	.007	.49	375	
THHN-2/0-STR	2/0	19	.050	.007	.54	465	
THHN-3/0-STR	3/0	19	.050	.007	.59	578	
THHN-4/0-STR	4/0	19	.050	.007	.65	719	
THHN-250-MCM STR	250 MCM	37	.060	.008	.72	858	
THHN-300 MCM STR	300 MCM	37	.060	.008	.77	1021	
THHN-350 MCM STR	350 MCM	37	.060	.008	.83	1182	
THHN-400 MCM STR	400 MCM	37	.060	.008	.87	1350	
THHN-500 MCM STR	500 MCM	37	.060	.008	.96	1662	
THHN-600 MCM STR	600 MCM	61	.070	.009	1.06	2019	
THHN-750 MCM STR	750 MCM	61	.070	.009	1.17	2502	
THHN-1000 MCM STR	1000 MCM	61	.070	.009	1.32	3263	

*Listed as TFFN 90°C Appliance Wiring Material (90°C Exposed to Oil) and 90°C MTW.
For aluminum conductor enter designation AL after THHN. Example THHN-AL-14-SOL

Color Abbreviations

BLK - Black
BLU - Blue
BRN - Brown
GRN - Green
GRY - Gray
ORN - Orange
PNK - Pink
PUR - Purple
RED - Red
TAN - Tan
WHT - White
YEL - Yellow

Standard Put-ups: 500', 1000' & 2500'

SUPPLIER PRICE

Category 3

CMR/CMP 2-Pair - 400-Pair



SPECIFICATIONS

Pair Count	Available in 2-pair up to 400-pair
Conductor	Solid annealed copper
AWG (mm)	24 (0.51)
Insulation	Thermoplastic
Jacket	CMR: Flame retardant (FR) PVC CMP: FR, low smoke PVC
Characteristic Impedance Ohms	100 ± 15
Performance Compliance	UL® 444 CSA C22.2 No. 214-08 UL 1666 NFPA 262 ANSI/TIA-568-C.2 ANSI/ICEA 5-90-661-2012 Article 800, NEC (NFPA 70) RoHS-compliant/RoHS 2-compliant
NRTL Programs	UL, c(UL) Listed CMR UL, c(UL) Listed CMP

PRODUCT DESCRIPTION

The ideal choice for LAN transmission with specified bandwidth up to 16 MHz. These cables are used for voice and data communications and can handle application bandwidths up to 16 MHz. Other uses for these cables include indoor use on customer premises for the interconnection of telephone key systems, PBX and intercom systems. Product is offered for both plenum (CMP) and riser (CMR) applications.

APPLICATIONS

- 4 Mbps token ring (IEEE 802.5)
- Analog voice
- 10 Mbps 10BASE-T Ethernet (IEEE 802.3)
- Telecommunications closet wiring

FEATURES

- CMR and CMP constructions use extremely flexible, FR-PVC jacket
- Jacket color options
- Band marked or striped insulated conductors

BENEFITS

- Easier and less time-consuming installations, no kinking of outer jacket
- Improves backbone sub-system identification, reduces labor and mistakes
- Reduces termination time and improves circuit identification

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Listing	Part Number	Pair Count	Jacket Color	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Package	Packages per Pallet
CMR	18-042-13	2	Beige	0.12 (3.1)	9 (13)	1,000' POP™ box	45
CMR	18-042-33	2	Gray	0.12 (3.1)	9 (13)	1,000' POP box	45
CMR	18-141-13	3	Beige	0.14 (3.5)	12 (18)	1,000' POP box	45
CMR	18-141-33	3	Gray	0.14 (3.5)	12 (18)	1,000' POP box	45
CMR	18-241-13	4	Beige	0.16 (3.9)	15 (22)	1,000' POP box	45
CMR	18-241-23	4	Blue	0.16 (3.9)	15 (22)	1,000' POP box	45
CMR	18-241-33	4	Gray	0.16 (3.9)	15 (22)	1,000' POP box	45
CMR	18-241-43	4	White	0.16 (3.9)	15 (22)	1,000' POP box	45
CMR	18-341-13	6	Beige	0.19 (4.8)	22 (32)	1,000' POP box	45
CMR	18-341-33	6	Gray	0.19 (4.8)	22 (32)	1,000' POP box	45
CMR	18-872-13	12	Beige	0.27 (6.9)	47 (71)	1,000' Plywood reel	16
CMR	18-872-33	12	Gray	0.27 (6.9)	47 (71)	1,000' Plywood reel	16
CMR	18-475-13	25	Beige	0.38 (9.6)	92 (137)	1,000' Plywood reel	12
CMR	18-499-13	25	Beige	0.38 (9.6)	92 (137)	Cut to length	1
CMR	18-475-33	25	Gray	0.38 (9.6)	92 (137)	1,000' Plywood reel	12
CMR	18-579-13	50	Beige	0.56 (14.2)	187 (279)	1,000' Plywood reel	4
CMR	18-599-13	50	Beige	0.56 (14.2)	187 (279)	Cut to length	1
CMR	18-579-33	50	Gray	0.56 (14.2)	187 (279)	1,000' Plywood reel	4
CMR	18-599-33	50	Gray	0.56 (14.2)	187 (279)	Cut to length	1
CMR	18-789-13	100	Beige	0.74 (18.7)	361 (538)	Cut to length	1
CMR	18-789-33	100	Gray	0.74 (18.7)	361 (538)	Cut to length	1
CMR	18-D99-33	150	Gray	0.92 (23.4)	541 (807)	Cut to length	1
CMR	18-A99-33	200	Gray	1.05 (26.6)	711 (1,060)	Cut to length	1
CMR	18-B99-33	300	Gray	1.27 (32.2)	1,049 (1,564)	Cut to length	1
CMR	18-C99-33	400	Gray	1.45 (36.9)	1,386 (2,067)	Cut to length	1
CMP	18-041-36	2	Gray	0.13 (3.3)	10 (15)	1,000' POP box	45
CMP	18-141-36	3	Gray	0.15 (3.7)	14 (20)	1,000' POP box	45
CMP	18-241-26	4	Blue	0.16 (4.2)	17 (26)	1,000' POP box	45
CMP	18-241-36	4	Gray	0.16 (4.2)	17 (26)	1,000' POP box	45
CMP	18-241-46	4	White	0.16 (4.2)	17 (26)	1,000' POP box	45
CMP	18-241-56	4	Green	0.16 (4.2)	17 (26)	1,000' POP box	45
CMP	18-341-36	6	Gray	0.20 (5.0)	24 (37)	1,000' POP box	45
CMP	18-341-46	6	White	0.20 (5.0)	24 (37)	1,000' POP box	45
CMP	18-872-46	12	White	0.30 (7.6)	49 (73)	1,000' Plywood reel	16
CMP	18-475-36	25	Gray	0.43 (10.9)	114 (171)	1,000' Plywood reel	12
CMP	18-475-46	25	White	0.43 (10.9)	114 (171)	1,000' Plywood reel	12
CMP	18-499-46	25	White	0.43 (10.9)	114 (171)	Cut to length	1
CMP	18-579-36	50	Gray	0.60 (15.3)	227 (339)	1,000' Plywood reel	4
CMP	18-599-36	50	Gray	0.60 (15.3)	227 (339)	Cut to length	1
CMP	18-799-36	100	Gray	0.84 (21.3)	446 (665)	Cut to length	1
CMP	18-799-46	100	White	0.84 (21.3)	446 (666)	Cut to length	1
CMP	18-A99-36	200	Gray	1.16 (29.4)	850 (1,268)	Cut to length	1
CMP	18-B99-36	300	Gray	1.44 (36.7)	1,315 (1,960)	Cut to length	1
CMP	18-B99-46	300	White	1.44 (36.7)	1,315 (1,961)	Cut to length	1
CMP	18-C99-36	400	Gray	1.64 (41.7)	1,720 (2,565)	Cut to length	1

UL is a registered trademark of UL LLC.

FastCAM® Pre-Polished Connectors

APPLICATION

FastCAM connectors are pre-polished, field-installable connectors that eliminate the need for hand polishing, bonding, or epoxy in the field. They are available in LC, SC, SC/APC, or ST, single-mode or multimode (OM1, OM2, OM3/4, or OS2) configurations. Connectors can be terminated on 250 or 900 μ m buffered fiber and/or 2 or 3 mm jacketed fiber. All connectors allow verification of optical continuity, by use of the visual fault locator (VFL). FastCAM connectors are designed for premise environments, patch panels, and rapid repair/replacement requirements, as well as data centers and applications requiring fast network deployment.

SPECIFICATION

The FastCAM mechanical fiber optic connector shall meet or exceed the requirements described in ANSI/TIA-568-C and 604 standards. Connector shall be pre-polished and field-installable to eliminate the need for hand polishing, bonding, or epoxy in the field. Connector shall be available in LC, SC, SC/APC, or ST, single-mode or multimode (OM1, OM2, OM3/4, or OS2) configurations terminated on 250 or 900 μ m buffered fiber and 2 or 3 mm jacketed fiber. Maximum connector insertion loss shall be no greater than 0.5 dB (0.6 dB for SC/APC), with an average of 0.1 dB (multimode) and 0.2 dB (single-mode or 0.3 dB for SC/APC). Typical connector return loss shall be -25 dB (multimode) and -55 dB (single-mode or -65 dB for SC/APC). All versions shall allow continuity to be verified by use of a visual fault locator (VFL).

FEATURES

- Precision mechanical splice termination
- Fast and easy to install (less than one minute)
- No polishing, epoxy curing, consumables
- No proprietary tools
- Low insertion-loss connection
- Uses proven, molded v-groove technologies
- Allows optical continuity to be verified by use of visual fault locator (VFL)
- Includes 900 μ m, 2 mm, and 3 mm boots
- SC/APC has an internal angled cleave for optimal return loss performance

COUNTRY OF ORIGIN

Mexico (LC, SC, ST)
Japan (SC/APC)



DESIGN CONSIDERATIONS

- Multimode and single-mode versions
- Precision, pre-radiused zirconia ferrules
- 900 μ m or 250 μ m buffered cable termination for SC, LC, and ST
- 2 or 3 mm jacketed cable
- Physical contact (PC) polish for multimode
- Ultra physical contact (UPC) polish for single-mode
- Angled physical contact (APC) polish for single-mode
- Not recommended for termination in outside plant applications/installations
- Precision cleavers are required for all FastCAM connectors*
- LC, SC, and ST UPC connectors require a 0-degree cleave with a maximum angle of 2 degrees for multimode and 1 degree for single-mode fibers
- SC/APC connectors require a maximum cleaving angle of 8 degrees $\pm$ 1 degree
- Visual fault locator is recommended for use to verify the optical continuity of the FastCAM connector

* Leviton High-Precision Flat Cleaver (49886-LNX) and Fujikura CT-30A Cleaver (49800-SMK), both available in kits. Leviton High-Precision Angled Cleaver (49886-APC).

STANDARDS COMPLIANCE

Meets ANSI/TIA-568-C.3 performance requirements
Meets ANSI/TIA-604-2 (ST), -3 (SC), -10A (LC) Connector Interchangeability Standards

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

49991-XXX

Page 1 of 2

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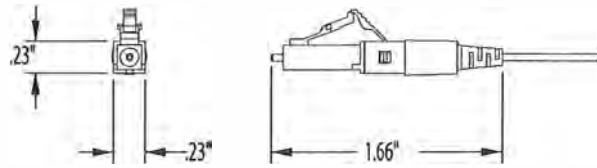
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ELECTRONIC FILES

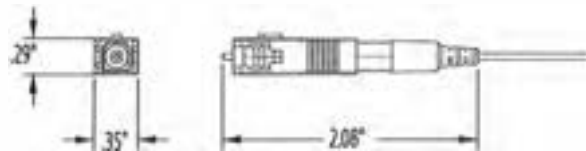
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

Performance Specifications

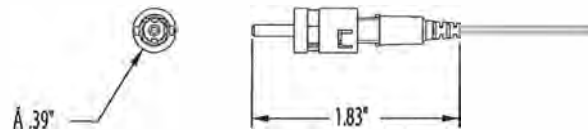
Parameter	Value
Insertion Loss (Multimode)	Typical: 0.1 dB; Max: 0.5 dB
Insertion Loss (Single-Mode)	Typical: 0.2 dB; Max: 0.5 dB
Insertion Loss (Single-Mode SC/APC)	Typical: 0.3 dB; Max: 0.6 dB
Return Loss (Multimode)	Typical: -25 dB
Return Loss (Single-Mode)	Typical: -55 dB
Return Loss (Single-Mode SC/APC)	Typical: -65 dB
Operating Temperature:	-40° C to +75° C



LC Connector



SC Connector



ST Connector

49991-XXX

Leviton FastCAM® Connectors

Description	Part No.
FastCAM LC OM1, beige	49991-MLC
FastCAM LC OM2, black	49991-5LC
FastCAM LC OM3/4, aqua	49991-LLC
FastCAM LC OS2, blue	49991-SLC
FastCAM SC OM1, beige	49991-MSC
FastCAM SC OM2, black	49991-5SC
FastCAM SC OM3/4, aqua	49991-LSC
FastCAM SC OS2, blue	49991-SSC
FastCAM SC/APC OS2, green	49991-ASC
FastCAM ST OM1, beige	49991-MST
FastCAM ST OM2, black	49991-5ST
FastCAM ST OS2, blue	49991-SST

Leviton FastCAM Installation Kits and Tools

Description	Part No.
FastCAM Tool Kit w/ Opt-X® Fiber cleaver, work tray and gooseneck LED	49800-LAK
FastCAM Tool Kit w/ Opt-X Fiber Cleaver	49800-MSK
FastCAM Tool Kit w/ CT-30A Cleaver	49800-SMK
Visual Fault Locator (VFL)	49886-VFL
Opt-X Fiber Cleaver	49886-LNX
Gooseneck LED (use with Opt-X Fiber Cleaver)	49886-LGN
Work Tray (use with Cleaver)	49886-LNT
CT-30A Cleaver	49886-CTA
APC Angled Cleaver	49886-APC



Fast-Cure® Anaerobic Adhesive-Style Connectors

APPLICATION

Fast-Cure anaerobic adhesive-style connectors are designed for quick and easy termination in the field. Fast-Cure connectors are available in single-mode and multimode versions in LC, SC, and ST® styles. Fast-Cure connectors are designed for indoor and outdoor applications where reliability, durability, and ease of installation are an important consideration. Typical installations are in premise LAN environments, or anywhere adhesive-style connectors are specified.



Pictured (left to right): ST Connector, SC Connector, and LC Connector.

SPECIFICATION

The Fast-Cure anaerobic adhesive-style fiber optic connector shall meet or exceed the requirements described in ANSI/TIA-568-C.3 and 604 standards. The connector shall be field-polished, field-installable, and does not require a curing oven or proprietary tool to facilitate the termination of the fiber. The connector shall be available in LC, SC, or ST single-mode or multimode configurations terminated on 900 μ m buffered fiber or 3-mm jacketed fiber. Typical connector insertion loss shall be 0.2dB. Typical connector return loss shall be greater than 25dB (multimode) and 55dB (single-mode).

FEATURES

- Typical termination in less than three minutes
- Low insertion loss connection
- Higher fiber retention than mechanical connectors
- No curing oven or proprietary tool required
- Compatible with MOS, QuickPort®, SDX, and LightSpace® adapter plates
- Accessory for duplex clip sold separately

DESIGN CONSIDERATIONS

- Single-mode and multimode versions
- Precision pre-radiused zirconia ferrules
- Supports 900 μ m buffered fiber or 3-mm jacketed fiber
- High cable retention crimp for jacketed fiber
- Recommended for indoor and outdoor usage
- Body of ST connectors are metal

PERFORMANCE SPECIFICATIONS

Parameter	Value
Insertion Loss (Single-mode or Multimode)	Typical: 0.2dB Max: <0.3dB
Return Loss (Single-mode)	Typical: >55dB
Return Loss (Multimode)	Typical: >25dB
Operating Temperature	-40 °C to +85 °C

STANDARDS COMPLIANCE

- Meets ANSI/TIA-568-C.3 performance requirements
- Meets ANSI/TIA-604-2 (ST), -3 (SC), -10A (LC) Connector Interchangeability Standards
- Meets GR-326; General Requirement for Single-mode Connectors

COUNTRY OF ORIGIN

Taiwan

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

49990-xxx, 49800-xxx

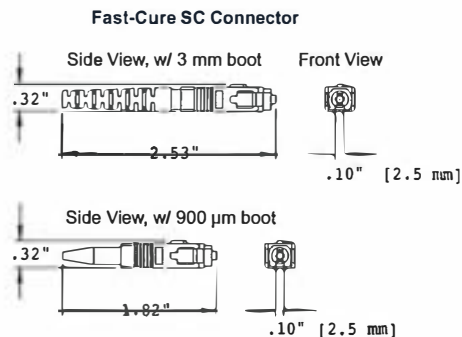
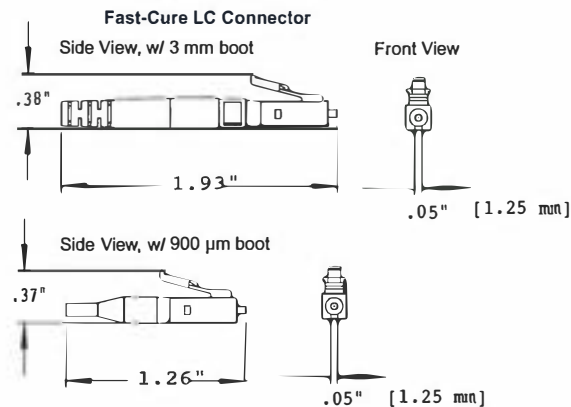
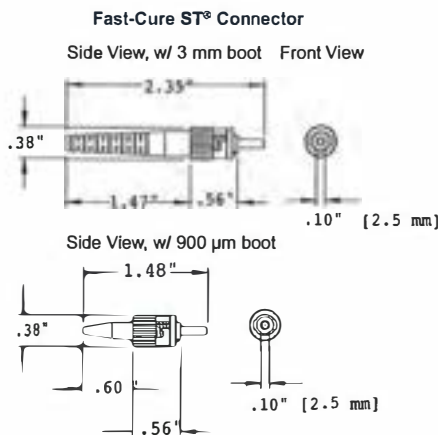
PRODUCT SPECIFICATIONS

49990-xxx, 49800-xxx



ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



49990-xxx, 49800-xxx

LEVITON FAST-CURE CONNECTORS

Description	Part No.
Fast-Cure LC Multimode, beige w/ 3 mm boot	49990-ML2
Fast-Cure LC LOMM, aqua w/ 3 mm boot	49990-LL2
Fast-Cure LC Multimode, beige w/ 900 µm boot	49990-MDL
Fast-Cure LC LOMM, aqua w/ 900 µm boot	49990-LDL
Fast-Cure LC Single-mode, blue w/ 3 mm boot	49990-SL2
Fast-Cure LC Single-mode, blue w/ 900 µm boot	49990-SDL
Fast-Cure SC Multimode, beige	49990-MSC
Fast-Cure SC LOMM, aqua	49990-LSC
Fast-Cure SC Single-mode, blue	49990-SSC
Fast-Cure ST® Multimode	49990-MST
Fast-Cure ST Single-mode	49990-SST

LEVITON TOOLKITS & ACCESSORIES

Description	Part No.
Light Tool Kit	49800-MTK
Fast-Cure Tool Kit	49800-FTK
Consumable Kit	49800-CON
LC Duplex Clip, beige, MM (bag of 25)	49886-DLM
LC Duplex Clip, blue, SM (bag of 25)	49886-DLS
SC Duplex Clip, black (bag of 25)	49886-DSC

NOTE: Both single-mode and multimode SC and ST connectors come with a 3 mm and 900 µm boot. Please visit www.leviton.com/fiber for a detailed look at what is included in each kit.

ST is a registered trademark of AT&T Inc.



Premises Distribution Plenum

Berk-Tek's tight buffered, fiber optic cable is designed for installation in plenum, riser and horizontal environments and interbuilding backbone structures.

Description

Construction

- 900 µm buffered fibers surrounded by aramid yarns
- Sheathed using a special, state-of-the-art polymer material
- All dielectric
- OFNP Rated
- Aluminum and Steel interlock armor available

Outdoor Considerations

Black jacketed and water-blocked cables from 6 to 24 fibers are available upon request for outdoor installations. Outdoor versions feature UV and fungus resistant jacketing.

Applications

Berk-Tek's tight buffered plenum distribution cable is intended for all high speed data applications including:

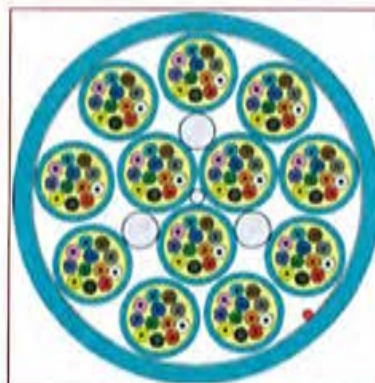
- 10BASE-FL
- 100BASE-SX/100BASE-FX
- ATM 155/ATM 622
- 1000BASE-SX/1000BASE-LX
- Fibre Channel 1.062/2.125
- 10GBASE-SR/SW
- 10GBASE-LX4
- 40/100 GbE

Features

- Single-mode, multimode, GIGALite™ and hybrid designs available
- Available with new bend-optimized single-mode fibers
- High tensile strength, crush resistant
- Flexible, small diameter, 900 µm tight buffered construction
- Six to 144 count fiber construction plenum designs ideal for horizontal and backbone and installations and along plenums
- Also available in low smoke zero halogen riser rated design
- Configurations available suitable for indoor/outdoor installations in conduit, below the frost line

Benefits

- Cost-saving design, easy to install and terminate
- Provides for greater pulling distances thus reducing installation time
- Assurance that cables will meet required specifications for communication networking applications
- Broad design selection allows for mix and match of fiber components to specific networking applications



Standards

International EN 50173; ISO/IEC 11801

National ANSI/ICEA S-83-596; ANSI/TIA-568-C.3; NFPA 130; Telcordia GR-409

Characteristics

Construction characteristics

Type of cable

Tight Buffered (TB)

Usage characteristics

Operating temperature, range

-20 .. 75 °C

Premises Distribution Plenum

Usage characteristics

Ambient installation temperature, range	0 .. 75 °C
Storage temperature, range	-40 .. 85 °C

Product List

☎=Make to order, 📦=In stock

Part Number	Description
📦 PDP012CB3510/25	12 x OM1 Premises Distribution Plenum Cable
☎ PDP012GB3510/25	12 x OM1+ Premises Distribution Plenum Cable
☎ PDP012ZB3515/55	12 x OM2 Premises Distribution Plenum Cable
📦 PDP012LB3010/75	12 x OM2+ Premises Distribution Plenum Cable
📦 PDP012EB3010/25	12 x OM3 Premises Distribution Plenum Cable
☎ PDP012FB3010/F5	12 x OM4 Premises Distribution Plenum Cable
☎ PDP012XB3010/X5	12 x OM4+ Premises Distribution Plenum Cable
📦 PDP012AB0707	12 x OS2 Premises Distribution Plenum Cable
☎ PDP12B144CB3510/25	144 x OM1 Premises Distribution Plenum Cable
☎ PDP12B144GB3510/25	144 x OM1+ Premises Distribution Plenum Cable
☎ PDP12B144ZB3515/55	144 x OM2 Premises Distribution Plenum Cable
☎ PDP12B144LB3010/75	144 x OM2+ Premises Distribution Plenum Cable
☎ PDP12B144EB3010/25	144 x OM3 Premises Distribution Plenum Cable
☎ PDP12B144FB3010/F5	144 x OM4 Premises Distribution Plenum Cable
☎ PDP12B144XB3010/X5	144 x OM4+ Premises Distribution Plenum Cable
☎ PDP12B144AB0707	144 x OS2 Premises Distribution Plenum Cable
☎ PDP018CB3510/25	18 x OM1 Premises Distribution Plenum Cable
☎ PDP018GB3510/25	18 x OM1+ Premises Distribution Plenum Cable
☎ PDP018ZB3515/55	18 x OM2 Premises Distribution Plenum Cable
☎ PDP018LB3010/75	18 x OM2+ Premises Distribution Plenum Cable
☎ PDP018EB3010/25	18 x OM3 Premises Distribution Plenum Cable
☎ PDP018FB3010/F5	18 x OM4 Premises Distribution Plenum Cable
☎ PDP018XB3010/X5	18 x OM4+ Premises Distribution Plenum Cable
☎ PDP018AB0707	18 x OS2 Premises Distribution Plenum Cable
📦 PDP024CB3510/25	24 x OM1 Premises Distribution Plenum Cable
☎ PDP12B024CB3510/25	24 x OM1 Premises Distribution Plenum Cable
☎ PDP024GB3510/25	24 x OM1+ Premises Distribution Plenum Cable
☎ PDP12B024GB3510/25	24 x OM1+ Premises Distribution Plenum Cable
☎ PDP024ZB3515/55	24 x OM2 Premises Distribution Plenum Cable
☎ PDP12B024ZB3515/55	24 x OM2 Premises Distribution Plenum Cable
📦 PDP024LB3010/75	24 x OM2+ Premises Distribution Plenum Cable
☎ PDP12B024LB3010/75	24 x OM2+ Premises Distribution Plenum Cable
📦 PDP024EB3010/25	24 x OM3 Premises Distribution Plenum Cable
☎ PDP12B024EB3010/25	24 x OM3 Premises Distribution Plenum Cable
☎ PDP024FB3010/F5	24 x OM4 Premises Distribution Plenum Cable
☎ PDP12B024FB3010/F5	24 x OM4 Premises Distribution Plenum Cable
☎ PDP024XB3010/X5	24 x OM4+ Premises Distribution Plenum Cable
☎ PDP12B024XB3010/X5	24 x OM4+ Premises Distribution Plenum Cable
📦 PDP024AB0707	24 x OS2 Premises Distribution Plenum Cable
☎ PDP12B024AB0707	24 x OS2 Premises Distribution Plenum Cable

☎ = Make to order, 📦 = In stock

Premises Distribution Plenum

Part Number	Description
☎ PDP12B036-024XB3010/25-012AB0707	Hybrid 24xOM4+ & 12xOS2 Premises Distribution Plenum Cable
☎ PDP12B048-024LB3010/75-024AB0707	Hybrid 24xOS2 & 24xOM2+ Premises Distribution Plenum Cable
☎ PDP12B048-024EB3010/25-024AB0707	Hybrid 24xOS2 & 24xOM3 Premises Distribution Plenum Cable
☎ PDP12B072-036FB3010/F5-036AB0707	Hybrid 36 x OM4 & 36 x OS2 Premises Distribution Plenum Cable
☎ PDP12B096-048EB3010/25-048AB0707	Hybrid 48 x OM3 & 48 x OS2 Premises Distribution Plenum Cable
☎ PDP012-006EB3010/25-006AB0707	Hybrid 6xOM3 & 6xOS2 Premises Distribution Plenum Cable

☎ = Make to order, 📦 = In stock

Standard Sheath Colors

Fiber Type	Core Size (um)	ISO-TIA Standard	Effective Modal BW @ 850 nm	Overfilled Launch BW @ 850 nm	Attenuation @ 850 nm	Attenuation @ 1300 nm	Attenuation @ 1550 nm	Sheath Color
AB	8.3	OS2	NS	NS	NS	0.7 dB/km	0.7 dB/km	Yellow
CB	62.5	OM1	200 MHz-km	200 MHz-km	3.5 dB/km	1.0 dB/km	NS	Orange
GB	62.5	OM1+	500 MHz-km	350 MHz-km	3.5 dB/km	1.0 dB/km	NS	Orange
ZB	50	OM2	500 MHz-km	500 MHz-km	3.5 dB/km	1.5 dB/km	NS	Orange
LB	50	OM2+	950 MHz-km	700 MHz-km	3.0 dB/km	1.0 dB/km	NS	Orange
EB	50	OM3	2000 MHz-km	1500 MHz-km	3.0 dB/km	1.0 dB/km	NS	Aqua
FB	50	OM4	4700 MHz-km	3500 MHz-km	3.0 dB/km	1.0 dB/km	NS	Aqua
XB	50	OM4+	4900 MHz-km	3675 MHz-km	3.0 dB/km	1.0 dB/km	NS	Violet

NS = Not Specified

Manufacturing Release

IMPORTANT NOTICE: This product specification is provided for informational purposes only in order to illustrate typical product constructions, applications and/or methods of installation. Because conditions of actual installation and use are unique and will vary, Berk-Tek makes no representation or warranty as to the reliability, accuracy or completeness of this data, even if Berk-Tek is aware of the product's intended use or purpose. Furthermore, this data does not constitute, nor should it be regarded or relied upon, as professional engineering advice. Installation of product should only be done by qualified personnel and in conformance with all safety, electrical and other applicable codes, standards, rules or regulations. Appropriate and correct product selection, installation and use, and compliance with all such codes, standards, rules and regulations, is a customer/end-user responsibility. Product specifications, standards, programs or services are subject to improvement or changes without notice. Berk-Tek accepts no liability for typographical errors, technical inaccuracies, omissions or misuse of the information contained herein. Changes will be periodically made to address any such issues.

Premises Distribution Riser

Berk-Tek's tight buffered, fiber optic cable is designed for installation in riser and horizontal environments and interbuilding backbone structures.

Description

Berk-Tek's tight buffered cable is available with standard multimode, single-mode and GIGAlite™ fibers.

Construction

900 µm buffered fibers surrounded by aramid yarns. Sheathed using a special, state-of-the-art polymer material. All dielectric.

Outdoor Considerations

Black jacketed and water-blocked versions of riser cables available upon request for outdoor installations. Outdoor versions feature UV and fungus resistant jacketing.

Applications

Berk-Tek's tight buffered cable is intended for all high speed data applications including:

- 10BASE-FL
- 100BASE-SX/100BASE-FX
- ATM 155/ATM 622
- 1000BASE-SX/1000BASE-LX
- Fibre Channel 1.062/2.125
- 10GBASE-SR/SW
- 10GBASE-LX4
- 40/100 GbE

Features

- Flexible, small diameter, 900 µm tight buffered construction
- High tensile strength and small diameter design
- Six to 144 count fiber construction riser designs ideal for horizontal and backbone installation
- Single-mode, multimode, and hybrid designs available
- Also available in low smoke zero halogen design
- Water blocked indoor/outdoor versions, suitable for installations in-conduit below the frost line, are available

Benefits

- Cost-saving design, easy to install and terminate
- Provides for greater pulling distances thus reducing installation time
- Assurance that cables will meet required specifications for communication networking applications
- Broad design selection allows for mix and match of fiber components to specific networking applications



Standards

International EN 50173; ISO/
IEC 11801

National ANSI/ICEA S-83-596; ANSI/
TIA-568-C.3; Telcordia GR-409

Premises Distribution Riser

Characteristics

Construction characteristics

Type of cable	Tight Buffered (TB)
Jacket Material	Riser

Usage characteristics

RoHS conform	Yes
Ambient installation temperature, range	-20 .. 75 °C
Storage temperature, range	-40 .. 85 °C

Product List

☎ = Make to order, 📦 = In stock

Part Number	Description
📦 PDR012CB3510/25	12 x OM1 Premises Distribution Riser Cable
📦 PDR012CB3410/25	12 x OM1 Premises Distribution Riser Cable
☎ PDR012GB3510/25	12 x OM1+ Premises Distribution Riser Cable
☎ PDR012ZB3515/55	12 x OM2 Premises Distribution Riser Cable
📦 PDR012LB3010/75	12 x OM2+ Premises Distribution Riser Cable
☎ PDR012EB3010/25	12 x OM3 Premises Distribution Riser Cable
☎ PDR012FB3010/F5	12 x OM4 Premises Distribution Riser Cable
☎ PDR012XB3010/X5	12 x OM4+ Premises Distribution Riser Cable
📦 PDR012AB0707	12 x OS2 Premises Distribution Riser Cable
☎ PDR12B144CB3510/25	144 x OM1 Premises Distribution Riser Cable
☎ PDR12B144GB3510/25	144 x OM1+ Premises Distribution Riser Cable
☎ PDR12B144ZB3515/55	144 x OM2 Premises Distribution Riser Cable
☎ PDR12B144LB3010/75	144 x OM2+ Premises Distribution Riser Cable
☎ PDR12B144EB3010/25	144 x OM3 Premises Distribution Riser Cable
☎ PDR12B144FB3010/F5	144 x OM4 Premises Distribution Riser Cable
☎ PDR12B144XB3010/X5	144 x OM4+ Premises Distribution Riser Cable
☎ PDR12B144AB0707	144 x OS2 Premises Distribution Riser Cable
☎ PDR018CB3510/25	18 x OM1 Premises Distribution Riser Cable
☎ PDR018GB3510/25	18 x OM1+ Premises Distribution Riser Cable
☎ PDR018ZB3515/55	18 x OM2 Premises Distribution Riser Cable
☎ PDR018LB3010/75	18 x OM2+ Premises Distribution Riser Cable
☎ PDR018EB3010/25	18 x OM3 Premises Distribution Riser Cable
☎ PDR018FB3010/F5	18 x OM4 Premises Distribution Riser Cable
☎ PDR018XB3010/X5	18 x OM4+ Premises Distribution Riser Cable
☎ PDR018AB0707	18 x OS2 Premises Distribution Riser Cable
📦 PDR024CB3510/25	24 x OM1 Premises Distribution Riser Cable
☎ PDR12B024CB3510/25	24 x OM1 Premises Distribution Riser Cable
☎ PDR024GB3510/25	24 x OM1+ Premises Distribution Riser Cable
☎ PDR12B024GB3510/25	24 x OM1+ Premises Distribution Riser Cable
☎ PDR024ZB3515/55	24 x OM2 Premises Distribution Riser Cable
☎ PDR12B024ZB3515/55	24 x OM2 Premises Distribution Riser Cable
📦 PDR024LB3010/75	24 x OM2+ Premises Distribution Riser Cable
☎ PDR12B024LB3010/75	24 x OM2+ Premises Distribution Riser Cable
☎ PDR024EB3010/25	24 x OM3 Premises Distribution Riser Cable
☎ PDR12B024EB3010/25	24 x OM3 Premises Distribution Riser Cable

☎ = Make to order, 📦 = In stock

Premises Distribution Riser

Part Number	Description
☎ PDR024FB3010/F5	24 x OM4 Premises Distribution Riser Cable
☎ PDR12B024FB3010/F5	24 x OM4 Premises Distribution Riser Cable
☎ PDR024XB3010/X5	24 x OM4+ Premises Distribution Riser Cable
☎ PDR12B024XB3010/X5	24 x OM4+ Premises Distribution Riser Cable
☎ PDR024AB0707	24 x OS2 Premises Distribution Riser Cable
☎ PDR12B024AB0707	24 x OS2 Premises Distribution Riser Cable
☎ PDR12B036CB3510/25	36 x OM1 Premises Distribution Riser Cable
☎ PDR12B036GB3510/25	36 x OM1+ Premises Distribution Riser Cable
☎ PDR12B036ZB3515/55	36 x OM2 Premises Distribution Riser Cable
☎ PDR12B036LB3010/75	36 x OM2+ Premises Distribution Riser Cable
☎ PDR12B036EB3010/25	36 x OM3 Premises Distribution Riser Cable
☎ PDR12B036FB3010/F5	36 x OM4 Premises Distribution Riser Cable
☎ PDR12B036XB3010/X5	36 x OM4+ Premises Distribution Riser Cable
☎ PDR12B036AB0707	36 x OS2 Premises Distribution Riser Cable
☎ PDR12B048CB3510/25	48 x OM1 Premises Distribution Riser Cable
☎ PDR12B048GB3510/25	48 x OM1+ Premises Distribution Riser Cable
☎ PDR12B048ZB3515/55	48 x OM2 Premises Distribution Riser Cable
☎ PDR12B048LB3010/75	48 x OM2+ Premises Distribution Riser Cable
☎ PDR12B048EB3010/25	48 x OM3 Premises Distribution Riser Cable
☎ PDR12B048FB3010/F5	48 x OM4 Premises Distribution Riser Cable
☎ PDR12B048XB3010/X5	48 x OM4+ Premises Distribution Riser Cable
☎ PDR12B048AB0707	48 x OS2 Premises Distribution Riser Cable
☎ PDR006CB3510/25	6 x OM1 Premises Distribution Riser Cable
☎ PDR006GB3510/25	6 x OM1+ Premises Distribution Riser Cable
☎ PDR006ZB3515/55	6 x OM2 Premises Distribution Riser Cable
☎ PDR006LB3010/75	6 x OM2+ Premises Distribution Riser Cable
☎ PDR006EB3010/25	6 x OM3 Premises Distribution Riser Cable
☎ PDR006FB3010/F5	6 x OM4 Premises Distribution Riser Cable
☎ PDR006XB3010/X5	6 x OM4+ Premises Distribution Riser Cable
☎ PDR006AB0707	6 x OS2 Premises Distribution Riser Cable
☎ PDR12B060CB3510/25	60 x OM1 Premises Distribution Riser Cable
☎ PDR12B060GB3510/25	60 x OM1+ Premises Distribution Riser Cable
☎ PDR12B060ZB3515/55	60 x OM2 Premises Distribution Riser Cable
☎ PDR12B060LB3010/75	60 x OM2+ Premises Distribution Riser Cable
☎ PDR12B060EB3010/25	60 x OM3 Premises Distribution Riser Cable
☎ PDR12B060FB3010/F5	60 x OM4 Premises Distribution Riser Cable
☎ PDR12B060XB3010/X5	60 x OM4+ Premises Distribution Riser Cable
☎ PDR12B060AB0707	60 x OS2 Premises Distribution Riser Cable
☎ PDR12B072CB3510/25	72 x OM1 Premises Distribution Riser Cable
☎ PDR12B072GB3510/25	72 x OM1+ Premises Distribution Riser Cable
☎ PDR12B072ZB3515/55	72 x OM2 Premises Distribution Riser Cable
☎ PDR12B072LB3010/75	72 x OM2+ Premises Distribution Riser Cable
☎ PDR12B072EB3010/25	72 x OM3 Premises Distribution Riser Cable
☎ PDR12B072FB3010/F5	72 x OM4 Premises Distribution Riser Cable
☎ PDR12B072XB3010/X5	72 x OM4+ Premises Distribution Riser Cable
☎ PDR12B072AB0707	72 x OS2 Premises Distribution Riser Cable
☎ PDR008LB3010/75	8 x OM2+ Premises Distribution Riser Cable
☎ PDR008AB0707	8 x OS2 Premises Distribution Riser Cable

☎ = Make to order, 📦 = In stock

Premises Distribution Riser

Part Number	Description
☎ PDR12B096CB3510/25	96 x OM1 Premises Distribution Riser Cable
☎ PDR12B096GB3510/25	96 x OM1+ Premises Distribution Riser Cable
☎ PDR12B096ZB3515/55	96 x OM2 Premises Distribution Riser Cable
☎ PDR12B096LB3010/75	96 x OM2+ Premises Distribution Riser Cable
☎ PDR12B096EB3010/25	96 x OM3 Premises Distribution Riser Cable
☎ PDR12B096FB3010/F5	96 x OM4 Premises Distribution Riser Cable
☎ PDR12B096XB3010/X5	96 x OM4+ Premises Distribution Riser Cable
☎ PDR12B096AB0707	96 x OS2 Premises Distribution Riser Cable
☎ PDR12B036-012EB3010/25-024AB0707	Hybrid 12 x OM3 & 24 x OS2 Premises Distribution Riser Cable
☎ PDR024-012CB3510/25-012AB0707	Hybrid 12xOM1 & 12xOS2 Premises Distribution Riser Cable
☎ PDR024-012EB3010/25-012AB0707	Hybrid 12xOM3 & 12xOS2 Premises Distribution Riser Cable
☎ PDR12B060-012EB3010/25-048AB0707	Hybrid 12xOM3 & 48xOS2 Premises Distribution Riser Cable
☎ PDR024-012FB3010/25-012AB0707	Hybrid 12xOM4 & 12xOS2 Premises Distribution Riser Cable
☎ PDR12B048-024CB3510/25-024AB0707	Hybrid 24xOM1 & 24xOS2 Premises Distribution Riser Cable
☎ PDR12B036-024EB3010/25-012AB0707	Hybrid 24xOM3 & 12xOS2 Premises Distribution Riser Cable
☎ PDR12B048-024EB3010/25-024AB0707	Hybrid 24xOM3 & 24xOS2 Premises Distribution Riser Cable
☎ PDR12B096-048CB3510/25-048AB0707	Hybrid 48xOM1 & 48xOS2 Premises Distribution Riser Cable
☎ PDR12B072-048EB3010/25-024AB0707	Hybrid 48xOM3 & 24xOS2 Premises Distribution Riser Cable
☎ PDR012-006EB3010/25-006AB0707	Hybrid 6xOM3 & 6xOS2 Premises Distribution Riser Cable
☎ PDR12B144-072CB3510/25-072AB0707	Hybrid 72xOM1 & 72xOS2 Premises Distribution Riser Cable

☎ = Make to order, 📦 = In stock

Standard Sheath Colors

Fiber Type	Core Size (um)	ISO-TIA Standard	Effective Modal BW @ 850 nm	Overfilled Launch BW @ 850 nm	Attenuation @ 850 nm	Attenuation @ 1300 nm	Attenuation @ 1550 nm	Sheath Color
AB	8.3	OS2	NS	NS	NS	0.7 dB/km	0.7 dB/km	Yellow
CB	62.5	OM1	200 MHz-km	200 MHz-km	3.5 dB/km	1.0 dB/km	NS	Orange
GB	62.5	OM1+	500 MHz-km	350 MHz-km	3.5 dB/km	1.0 dB/km	NS	Orange
ZB	50	OM2	500 MHz-km	500 MHz-km	3.5 dB/km	1.5 dB/km	NS	Orange
LB	50	OM2+	950 MHz-km	700 MHz-km	3.0 dB/km	1.0 dB/km	NS	Orange
EB	50	OM3	2000 MHz-km	1500 MHz-km	3.0 dB/km	1.0 dB/km	NS	Aqua
FB	50	OM4	4700 MHz-km	3500 MHz-km	3.0 dB/km	1.0 dB/km	NS	Aqua
XB	50	OM4+	4900 MHz-km	3675 MHz-km	3.0 dB/km	1.0 dB/km	NS	Violet

NS = Not Specified

Indoor Plenum Premises Distribution w/Armor-Tek

Berk-Tek's Premises Distribution cable is a Plenum rated tight buffered design. Armor-Tek Interlocking Armor is wrapped around the Premises Distribution cable core. A plenum rated sheath is the extruded around the interlocking armor.

Description

Construction

- 900 μ m buffered fibers surrounded by aramid yarns
- Sheathed using a special, state-of-the-art polymer material
- Aluminum and Steel interlock armor available
- OFCP Rated

Outdoor Considerations

Black jacketed and core water-blocked cables from 6 to 24 fibers are available upon request for outdoor installations. Outdoor versions feature UV and fungus resistant jacketing.

Applications

Berk-Tek's tight buffered Interlocking Armor cable is intended for all high speed data applications including:

- 10BASE-FL
- 100BASE-SX/100BASE-FX
- ATM 155/ATM 622
- 1000BASE-SX/1000BASE-LX
- Fibre Channel 1.062/2.125
- 10GBASE-SR/SW
- 10GBASE-LX4
- 40/100 GbE

Features

- Single-mode, multimode, GIGAlite™ and hybrid designs available
- Available with new bend-optimized single-mode fibers
- High tensile strength, crush resistant
- Flexible, small diameter, 900 μ m tight buffered construction core
- Six to 144 count fiber construction plenum designs ideal for horizontal and backbone and installations and along plenums
- Also available in low smoke zero halogen design
- Configurations available suitable for indoor/outdoor installations in conduit, below the frost line

Benefits



Standards

International EN 50173; ISO/IEC 11801

National ANSI/ICEA S-83-596; ANSI/TIA-568-C.3; NFPA 130; Telcordia GR-409

Indoor Plenum Premises Distribution w/Armor-Tek

- Eliminates the need for conduit or plenum innerduct
- Significant cost savings in both materials and labor - up to 25%
- Accommodates last minute relocations or pathway changes
- Provides a higher concentration of cables in an area than conduit
- Can be installed in campus environments due to the durability and indoor/outdoor rating of the cable
- Armor provides crush protection and protection from rodent attacks
- Compliant to NFPA 130 (2010)

Characteristics

Construction characteristics

Type of cable	Tight Buffered (TB)
Jacket Material	Plenum

Usage characteristics

Operating temperature, range	-20 .. 75 °C
Ambient installation temperature, range	0 .. 75 °C
Storage temperature, range	-40 .. 85 °C

Product List

☎=Make to order, 📦=In stock

Part Number	Description
📦 PDPK012CB3510/25	12 x OM1 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK012GB3510/25	12 x OM1+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK012ZB3515/55	12 x OM2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
📦 PDPK012LB3010/75	12 x OM2+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
📦 PDPK012EB3010/25	12 x OM3 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK012FB3010/F5	12 x OM4 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK012XB3010/X5	12 x OM4+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
📦 PDPK012AB0707	12 x OS2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B144CB3510/25	144 x OM1 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B144GB3510/25	144 x OM1+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B144ZB3515/55	144 x OM2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B144LB3010/75	144 x OM2+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B144EB3010/25	144 x OM3 Indoor Plenum Premises Distribution Cable with Interlocking Armor

☎ = Make to order, 📦 = In stock

Indoor Plenum Premises Distribution w/Armor-Tek

Part Number	Description
☎ PDPK12B144FB3010/F5	144 x OM4 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B144XB3010/X5	144 x OM4+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B144AB0707	144 x OS2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK018CB3510/25	18 x OM1 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK018GB3510/25	18 x OM1+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK018ZB3515/55	18 x OM2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK018LB3010/75	18 x OM2+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK018EB3010/25	18 x OM3 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK018FB3010/F5	18 x OM4 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK018XB3010/X5	18 x OM4+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK018AB0707	18 x OS2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
📦 PDPK024CB3510/25	24 x OM1 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK024GB3510/25	24 x OM1+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK024ZB3515/55	24 x OM2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK024LB3010/75	24 x OM2+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK024EB3010/25	24 x OM3 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK024FB3010/F5	24 x OM4 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK024XB3010/X5	24 x OM4+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK024AB0707	24 x OS2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B036CB3510/25	36 x OM1 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B036GB3510/25	36 x OM1+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B036ZB3515/55	36 x OM2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B036LB3010/75	36 x OM2+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B036EB3010/25	36 x OM3 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B036FB3010/F5	36 x OM4 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B036XB3010/X5	36 x OM4+ Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B036AB0707	36 x OS2 Indoor Plenum Premises Distribution Cable with Interlocking Armor

☎ = Make to order, 📦 = In stock

Indoor Plenum Premises Distribution w/Armor-Tek

Part Number	Description
☎ PDPK12B036-024CB3510/25-012AB0707	Hybrid 24xOM1 & 12xOS2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B036-024EB3010/25-012AB0707	Hybrid 24xOM3 & 12xOS2 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK12B048-024EB3010/25-024AB0707	Hybrid 24xOS2 & 24xOM3 Indoor Plenum Premises Distribution Cable with Interlocking Armor
☎ PDPK012-006EB3010/25-006AB0707	Hybrid 6xOS2 & 6xOM3 Indoor Plenum Premises Distribution Cable with Interlocking Armor

☎ = Make to order, 📦 = In stock

Standard Sheath Colors

Fiber Type	Core Size (um)	ISO-TIA Standard	Effective Modal BW @ 850 nm	Overfilled Launch BW @ 850 nm	Attenuation @ 850 nm	Attenuation @ 1300 nm	Attenuation @ 1550 nm	Sheath Color
AB	8.3	OS2	NS	NS	NS	0.7 dB/km	0.7 dB/km	Yellow
CB	62.5	OM1	200 MHz-km	200 MHz-km	3.5 dB/km	1.0 dB/km	NS	Orange
GB	62.5	OM1+	500 MHz-km	350 MHz-km	3.5 dB/km	1.0 dB/km	NS	Orange
ZB	50	OM2	500 MHz-km	500 MHz-km	3.5 dB/km	1.5 dB/km	NS	Orange
LB	50	OM2+	950 MHz-km	700 MHz-km	3.0 dB/km	1.0 dB/km	NS	Orange
EB	50	OM3	2000 MHz-km	1500 MHz-km	3.0 dB/km	1.0 dB/km	NS	Aqua
FB	50	OM4	4700 MHz-km	3500 MHz-km	3.0 dB/km	1.0 dB/km	NS	Aqua
XB	50	OM4+	4900 MHz-km	3675 MHz-km	3.0 dB/km	1.0 dB/km	NS	Violet

NS = Not Specified

Manufacturing Release

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Outside Plant All Dielectric

Berk-Tek's Outside Plant Loose Tube fiber optic cables are designed for installation in harsh environments such as direct burial, aerial lashing, conduit and pathways that are subjected to wide temperature variations. The Outside Plant product line offers 2 - 432 fibers per cable. These cables are thoroughly tested and verified to Telcordia GR-20 and ICEA-640 for outside cabling systems.

Description

Berk-Tek's Outdoor Loose Tube cables are available in multimode, single-mode and GIGAlite™ fibers.

Construction

Gel-filled tubes containing up to 12, 250 µm, individually colored fibers.

Outdoor Consideration

Berk-Tek recommends that loose tube cables be utilized in an outside plant installation environment. Loose tube cables are especially recommended if the interbuilding conduit system is likely to fill with water.

Applications

Berk-Tek's Outdoor Loose Tube fiber optic cable is intended for all high speed data applications, including:

- 10BASE-FL
- 100BASE-SX/100BASE-FX
- ATM 155/ATM 622
- 1000BASE-SX/1000BASE-LX
- Fibre Channel 1.062/2.125
- 10GBASE-SR/SW
- 10GBASE-LX4
- 40/100 GbE

Features

- High tensile strength, crush resistant and small diameter design.
- Single-mode, multimode and hybrid design options available.
- All dielectric design.
- Armored designs available.
- Fully water-blocked core using dry water blocking system.

Benefits

- Provides for greater pulling distances thus reducing installation time.
- Broad design selection allows for mix and match of fiber components to specific networking applications.
- System grounding problems eliminated.
- Long-term reliability.
- Low cable plant maintenance, ease of installation.
- Reduce network costs.



Standards

International EN 50173; ISO/IEC 11801

National ANSI/ICEA S-87-640; ANSI/TIA-568-C.3; Telcordia GR-20

Outside Plant All Dielectric

Characteristics

Construction characteristics

Jacket Material Polyethylene

Usage characteristics

RoHS conform Yes
 Field of application Outdoor

Product List

☎ = Make to order, 📦 = In stock

Part Number	Description
📦 OPD012CB3510/25	12 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B012CB3510/25	12 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPD012GB3510/25	12 x OM1+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B012GB3510/25	12 x OM1+ Outside Plant All Dielectric Loose Tube Cable
☎ OPD012ZB3515/55	12 x OM2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B012ZB3515/55	12 x OM2 Outside Plant All Dielectric Loose Tube Cable
☎ OPD012LB3010/75	12 x OM2+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B012LB3010/75	12 x OM2+ Outside Plant All Dielectric Loose Tube Cable
☎ OPD012EB3010/25	12 x OM3 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B012EB3010/25	12 x OM3 Outside Plant All Dielectric Loose Tube Cable
☎ OPD012FB3010/F5	12 x OM4 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B012FB3010/F5	12 x OM4 Outside Plant All Dielectric Loose Tube Cable
☎ OPD012XB3010/X5	12 x OM4+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B012XB3010/X5	12 x OM4+ Outside Plant All Dielectric Loose Tube Cable
☎ OPD012AB0403	12 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B012AB0403	12 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B144CB3510/25	144 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B144GB3510/25	144 x OM1+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B144ZB3515/55	144 x OM2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B144LB3010/75	144 x OM2+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B144EB3010/25	144 x OM3 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B144FB3010/F5	144 x OM4 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B144XB3010/X5	144 x OM4+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B144AB0403	144 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B018CB3510/25	18 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B018GB3510/25	18 x OM1+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B018ZB3515/55	18 x OM2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B018LB3010/75	18 x OM2+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B018EB3010/25	18 x OM3 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B018FB3010/F5	18 x OM4 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B018XB3010/X5	18 x OM4+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B018AB0403	18 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ OPD002CB3510/25	2 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPD002GB3510/25	2 x OM1+ Outside Plant All Dielectric Loose Tube Cable
☎ OPD002ZB3515/55	2 x OM2 Outside Plant All Dielectric Loose Tube Cable

☎ = Make to order, 📦 = In stock

Outside Plant All Dielectric

Part Number	Description
☎ OPD002LB3010/75	2 x OM2+ Outside Plant All Dielectric Loose Tube Cable
☎ OPD002EB3010/25	2 x OM3 Outside Plant All Dielectric Loose Tube Cable
☎ OPD002FB3010/F5	2 x OM4 Outside Plant All Dielectric Loose Tube Cable
☎ OPD002XB3010/X5	2 x OM4+ Outside Plant All Dielectric Loose Tube Cable
☎ OPD002AB0403	2 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B216CB3510/25	216 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B216GB3510/25	216 x OM1+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B216ZB3515/55	216 x OM2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B216LB3010/75	216 x OM2+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B216EB3010/25	216 x OM3 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B216FB3010/F5	216 x OM4 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B216XB3010/X5	216 x OM4+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B216AB0403	216 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B024CB3510/25	24 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B024GB3510/25	24 x OM1+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B024ZB3515/55	24 x OM2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B024LB3010/75	24 x OM2+ Outside Plant All Dielectric Loose Tube Cable
RN104 ☎ OPDD12B024EB3010/25	24 x OM3 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B024FB3010/F5	24 x OM4 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B024XB3010/X5	24 x OM4+ Outside Plant All Dielectric Loose Tube Cable
RN108 ☎ OPDD12B024AB0403	24 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B036CB3510/25	36 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B036GB3510/25	36 x OM1+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B036ZB3515/55	36 x OM2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B036LB3010/75	36 x OM2+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B036EB3010/25	36 x OM3 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B036FB3010/F5	36 x OM4 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B036XB3010/X5	36 x OM4+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B036AB0403	36 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ OPD004CB3510/25	4 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPD004GB3510/25	4 x OM1+ Outside Plant All Dielectric Loose Tube Cable
☎ OPD004ZB3515/55	4 x OM2 Outside Plant All Dielectric Loose Tube Cable
☎ OPD004LB3010/75	4 x OM2+ Outside Plant All Dielectric Loose Tube Cable
☎ OPD004EB3010/25	4 x OM3 Outside Plant All Dielectric Loose Tube Cable
☎ OPD004FB3010/F5	4 x OM4 Outside Plant All Dielectric Loose Tube Cable
☎ OPD004XB3010/X5	4 x OM4+ Outside Plant All Dielectric Loose Tube Cable
☎ OPD004AB0403	4 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B048CB3510/25	48 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B048GB3510/25	48 x OM1+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B048ZB3515/55	48 x OM2 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B048LB3010/75	48 x OM2+ Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B048EB3010/25	48 x OM3 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B048FB3010/F5	48 x OM4 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B048XB3010/X5	48 x OM4+ Outside Plant All Dielectric Loose Tube Cable
RN109 ☎ OPDD12B048AB0403	48 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ OPD006CB3510/25	6 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPDD12B006CB3510/25	6 x OM1 Outside Plant All Dielectric Loose Tube Cable
☎ OPD006GB3510/25	6 x OM1+ Outside Plant All Dielectric Loose Tube Cable

☎ = Make to order, 📦 = In stock

Outside Plant All Dielectric

Part Number	Description
☎ OPDD12B288-096XB3010/X5-192AB0403	Hybrid 96 x OM4+ & 192 x OS2 Outside Plant All Dielectric Loose Tube Cable
☎ = Make to order, 📦 = In stock	

Sheath Color

Fiber Type	Core Size (um)	ISO-TIA Standard	Effective Modal BW @ 850 nm	Overfilled Launch BW @ 850 nm	Attenuation @ 850 nm	Attenuation @ 1300 nm	Attenuation @ 1550 nm	Sheath Color
AB	8.3	OS2	NS	NS	NS	0.35 dB/km	0.25 dB/km	Black
AB	8.3	OS2	NS	NS	NS	0.4 dB/km	0.3 dB/km	Black
CB	62.5	OM1	200 MHz-km	200 MHz-km	3.5 dB/km	1.0 dB/km	NS	Black
GB	62.5	OM1+	500 MHz-km	350 MHz-km	3.5 dB/km	1.0 dB/km	NS	Black
ZB	50	OM2	500 MHz-km	500 MHz-km	3.5 dB/km	1.5 dB/km	NS	Black
LB	50	OM2+	950 MHz-km	700 MHz-km	3.0 dB/km	1.0 dB/km	NS	Black
EB	50	OM3	2000 MHz-km	1500 MHz-km	3.0 dB/km	1.0 dB/km	NS	Black
FB	50	OM4	4700 MHz-km	3500 MHz-km	3.0 dB/km	1.0 dB/km	NS	Black
XB	50	OM4+	4900 MHz-km	3675 MHz-km	3.0 dB/km	1.0 dB/km	NS	Black

NS = Not Specified

Manufacturing Release

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MIC® Tight-Buffered Cable, Plenum 12 F, 50 µm multimode (OM3)

CORNING

Part Number:
012T88-33180-29

Corning MIC® plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm buffered fibers to allow easy, consistent stripping and to facilitate termination. The fibers are surrounded by dielectric strength members and protected by a flame-retardant outer jacket. The all-dielectric cable construction requires no grounding or bonding. MIC plenum cables are ideal for routing inside buildings, within plenum areas and riser shafts, to the telecommunications rooms and workstations. The MIC plenum cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and are OFNP and FT-6 listed.

Features and Benefits

900 µm buffered fibers

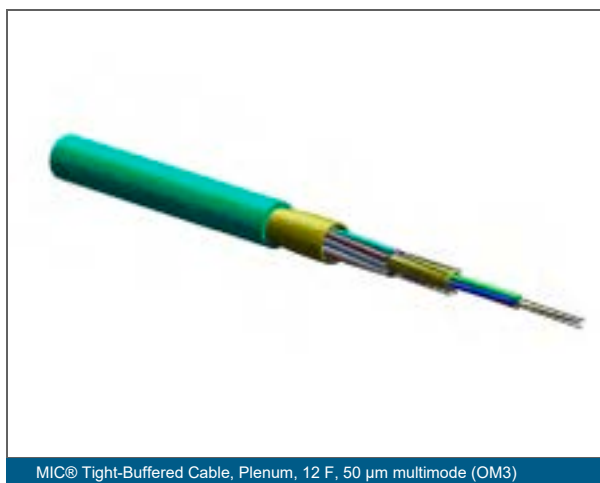
Easy, consistent stripping

All-dielectric construction

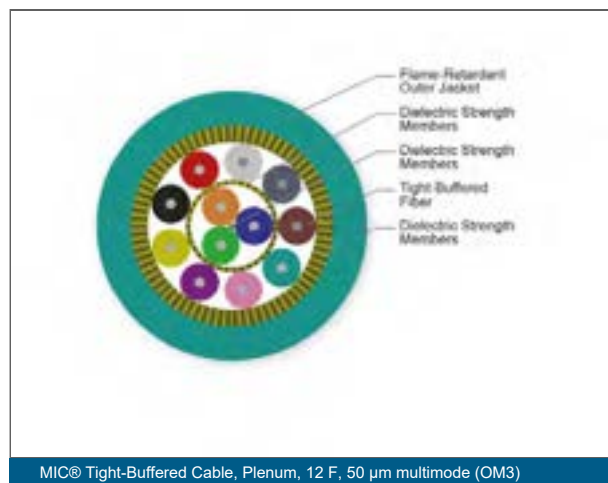
Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable



MIC® Tight-Buffered Cable, Plenum, 12 F, 50 µm multimode (OM3)



MIC® Tight-Buffered Cable, Plenum, 12 F, 50 µm multimode (OM3)

MIC® Tight-Buffered Cable, Plenum 12 F, 50 µm multimode (OM3)

The Corning logo is displayed in white, uppercase letters on a dark blue rectangular background.

Specifications

General Specifications

Environment	Indoor
Cable Type	Tight-Buffered
Product Type	Distribution
Fiber Category	50 µm MM (OM3)
Flame Rating	Plenum (OFNP)
Application	General Purpose Horizontal, Plenum, Vertical Riser
Fiber Count	12

Standards

Approvals and Listings	National Electrical Code® (NEC®) OFNP, NFPA 262, CSA FT-6, ICEA S-83-596
Flame Test Method	NFPA 262 and CSA FT-6 (for plenum, riser and general building applications), ICEA S-83-596

Environmental Conditions

Temperature Range, Installation	0 °C to 60 °C (32 °F to 140 °F)
Temperature Range, Operation	0 °C to 70 °C (32 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design

Central Element	Yarn
Fiber Count	12
Outer Jacket Color	Aqua
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members

MIC® Tight-Buffered Cable, Plenum 12 F, 50 µm multimode (OM3)



Cable Design

Tight Buffer Color	Blue, Orange, Green
Tight Buffer Color, Layer 2	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Flame Rating	Plenum (OFNP)

Mechanical Specifications

Max. Tensile Strength, Long-Term, ≤12F	132 N (29.67 lbf)
Max. Tensile Strength, Long-Term, >12F	200 N (44.96 lbf)
Max. Tensile Strength, Short-Term, ≤12F	440 N (98.92 lbf)
Max. Tensile Strength, Short-Term, >12F	660 N (148.37 lbf)
Min. Bend Radius Installation	92 mm (3.62 in)
Min. Bend Radius Operation	60 mm (2.36 in)
Nominal Outer Diameter	6 mm (0.24 in)

Optical Characteristics

Fiber Code	T
Fiber Type	Multimode
Performance Option Code	80
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1000 MHz*km / 600 MHz*km
Serial 10 Gigabit Ethernet	300 MHz*km / -
Wavelengths	850 nm / 1300 nm
Fiber Category	OM3

MIC® Tight-Buffered Cable, Plenum 12 F, 50 µm multimode (OM3)



Ordering Information	
Product Number	012T88-33180-29
EAN Code	4056418181424
Weight	3.38 kg/km (2.27 lb/1000 ft)



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MIC® Tight-Buffered Cable, Riser 24 F, 50 µm multimode (OM3)

CORNING

Part Number: 024T81-33180-24

Corning MIC® riser cables are designed for use in riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm buffered fibers to enable easy, consistent stripping and facilitate termination. The fibers are surrounded by dielectric strength members and protected by a flame-retardant outer jacket. The all-dielectric cable construction requires no grounding or bonding, making these cables ideal for routing inside buildings including riser shafts, to the telecommunications rooms and workstations. The MIC Riser Cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and the ICEA S-83-596 test criteria. They are OFNR and FT-4 listed for riser and general-purpose use.

Features and Benefits

900 µm buffered fibers

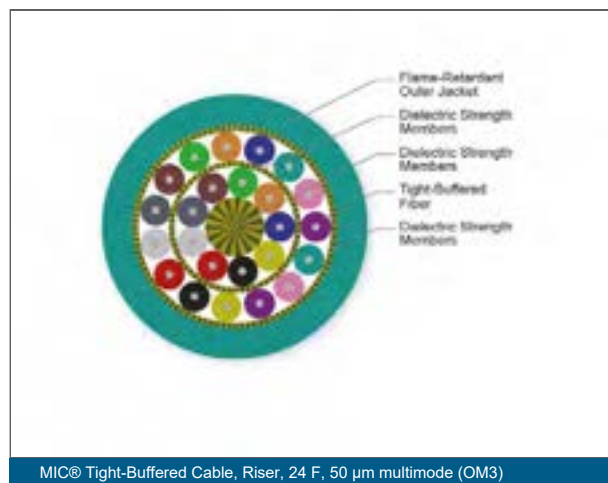
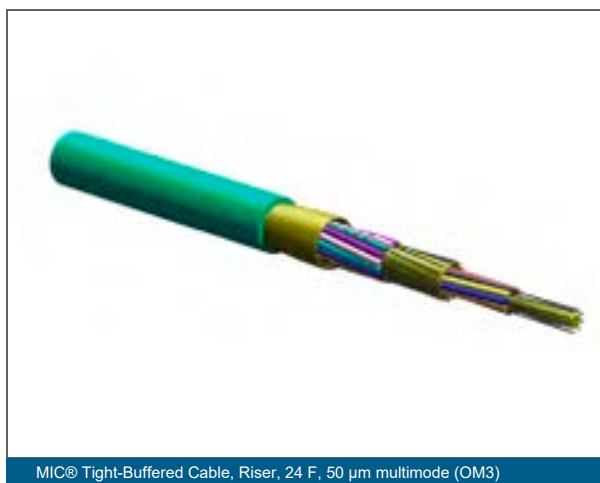
Easy, consistent stripping

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable



MIC® Tight-Buffered Cable, Riser 24 F, 50 µm multimode (OM3)

The Corning logo is displayed in white, uppercase letters on a dark blue rectangular background.

Specifications

General Specifications

Environment	Indoor
Cable Type	Tight-Buffered
Product Type	Distribution
Fiber Category	50 µm MM (OM3)
Flame Rating	Riser (OFNR)
Application	General Purpose Horizontal, Plenum, Vertical Riser
Fiber Count	24

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	National Electrical Code® (NEC®) OFNR, UL 1666, CSA FT-4, ICEA S-83-596
Flame Test Method	UL-1666 and CSA FT-4 (for riser and general building applications), ICEA S-83-596

Environmental Conditions

Temperature Range, Installation	-10 °C to 60 °C (14 °F to 140 °F)
Temperature Range, Operation	-20 °C to 70 °C (-4 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design

Central Element	Yarn
Fiber Count	24
Outer Jacket Color	Aqua
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members

MIC® Tight-Buffered Cable, Riser 24 F, 50 µm multimode (OM3)



Cable Design

Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Tight Buffer Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Flame Rating	Riser (OFNR)

Mechanical Specifications

Max. Tensile Strength, Long-Term, ≤12F	200 N (44.96 lbf)
Max. Tensile Strength, Long-Term, >12F	400 N (89.92 lbf)
Max. Tensile Strength, Short-Term, ≤12F	660 N (148.37 lbf)
Max. Tensile Strength, Short-Term, >12F	1320 N (296.75 lbf)
Min. Bend Radius Installation	110.25 mm (4.34 in)
Min. Bend Radius Operation	73.5 mm (2.89 in)
Nominal Outer Diameter	7.35 mm (0.29 in)

Optical Characteristics

Fiber Code	T
Fiber Type	Multimode
Performance Option Code	80
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1000 MHz*km / 600 MHz*km
Serial 10 Gigabit Ethernet	300 MHz*km / -
Wavelengths	850 nm / 1300 nm
Fiber Category	OM3

MIC® Tight-Buffered Cable, Riser 24 F, 50 µm multimode (OM3)



Ordering Information	
Product Number	024T81-33180-24
EAN Code	4056418179124
Weight	47 kg/km (31.58 lb/1000 ft)



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MIC® Tight-Buffered Cable, Plenum 12 F, 50 µm multimode (OM3)

CORNING

Part Number:
012T88-33180-29

Corning MIC® plenum cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm buffered fibers to allow easy, consistent stripping and to facilitate termination. The fibers are surrounded by dielectric strength members and protected by a flame-retardant outer jacket. The all-dielectric cable construction requires no grounding or bonding. MIC plenum cables are ideal for routing inside buildings, within plenum areas and riser shafts, to the telecommunications rooms and workstations. The MIC plenum cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and are OFNP and FT-6 listed.

Features and Benefits

900 µm buffered fibers

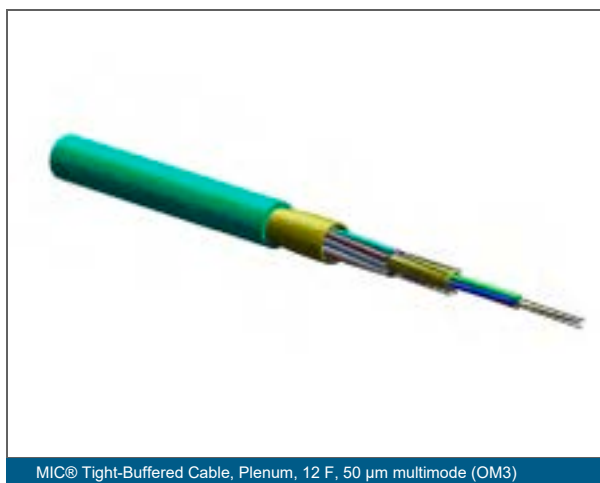
Easy, consistent stripping

All-dielectric construction

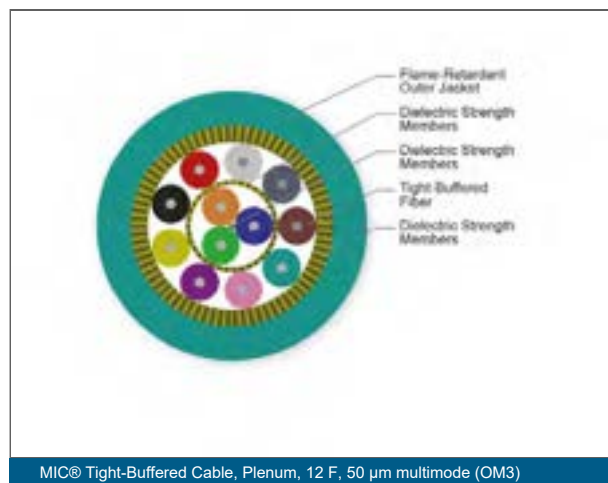
Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable



MIC® Tight-Buffered Cable, Plenum, 12 F, 50 µm multimode (OM3)



MIC® Tight-Buffered Cable, Plenum, 12 F, 50 µm multimode (OM3)

MIC® Tight-Buffered Cable, Plenum 12 F, 50 µm multimode (OM3)



Specifications

General Specifications

Environment	Indoor
Cable Type	Tight-Buffered
Product Type	Distribution
Fiber Category	50 µm MM (OM3)
Flame Rating	Plenum (OFNP)
Application	General Purpose Horizontal, Plenum, Vertical Riser
Fiber Count	12

Standards

Approvals and Listings	National Electrical Code® (NEC®) OFNP, NFPA 262, CSA FT-6, ICEA S-83-596
Flame Test Method	NFPA 262 and CSA FT-6 (for plenum, riser and general building applications), ICEA S-83-596

Environmental Conditions

Temperature Range, Installation	0 °C to 60 °C (32 °F to 140 °F)
Temperature Range, Operation	0 °C to 70 °C (32 °F to 158 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design

Central Element	Yarn
Fiber Count	12
Outer Jacket Color	Aqua
Outer Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members

MIC® Tight-Buffered Cable, Plenum 12 F, 50 µm multimode (OM3)



Cable Design

Tight Buffer Color	Blue, Orange, Green
Tight Buffer Color, Layer 2	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Flame Rating	Plenum (OFNP)

Mechanical Specifications

Max. Tensile Strength, Long-Term, ≤12F	132 N (29.67 lbf)
Max. Tensile Strength, Long-Term, >12F	200 N (44.96 lbf)
Max. Tensile Strength, Short-Term, ≤12F	440 N (98.92 lbf)
Max. Tensile Strength, Short-Term, >12F	660 N (148.37 lbf)
Min. Bend Radius Installation	92 mm (3.62 in)
Min. Bend Radius Operation	60 mm (2.36 in)
Nominal Outer Diameter	6 mm (0.24 in)

Optical Characteristics

Fiber Code	T
Fiber Type	Multimode
Performance Option Code	80
Fiber Core Diameter	50 µm
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Maximum Attenuation	2.8 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Serial 1 Gigabit Ethernet	1000 MHz*km / 600 MHz*km
Serial 10 Gigabit Ethernet	300 MHz*km / -
Wavelengths	850 nm / 1300 nm
Fiber Category	OM3

MIC® Tight-Buffered Cable, Plenum 12 F, 50 µm multimode (OM3)



Ordering Information

Product Number	012T88-33180-29
EAN Code	4056418181424
Weight	3.38 kg/km (2.27 lb/1000 ft)



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MIC® Tight-Buffered Cable, Plenum

24 F, 50 µm multimode (OM4)

CORNING

Corning Cable Systems MIC® Plenum Cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm TBII® Buffered Fibers to allow easy, consistent stripping and to facilitate termination. The fibers are surrounded by dielectric strength members and protected by a flame-retardant outer jacket.

The all-dielectric cable construction requires no grounding or bonding. MIC Plenum cables are ideal for routing inside buildings, within plenum areas and riser shafts, to the telecommunications rooms and workstations. The MIC Plenum Cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and are OFNP and FT-6 listed.

This cable is available in 12 different jacket colors - blue, orange, green, brown, slate, white, red, black, yellow, purple, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Features and Benefits

900 µm TBII® Buffered Fibers

Easy, consistent stripping

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable

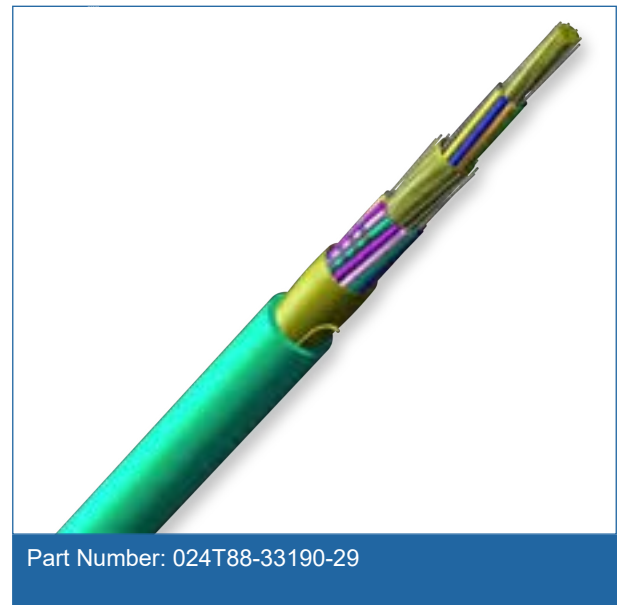
Standards

Approval and Listings

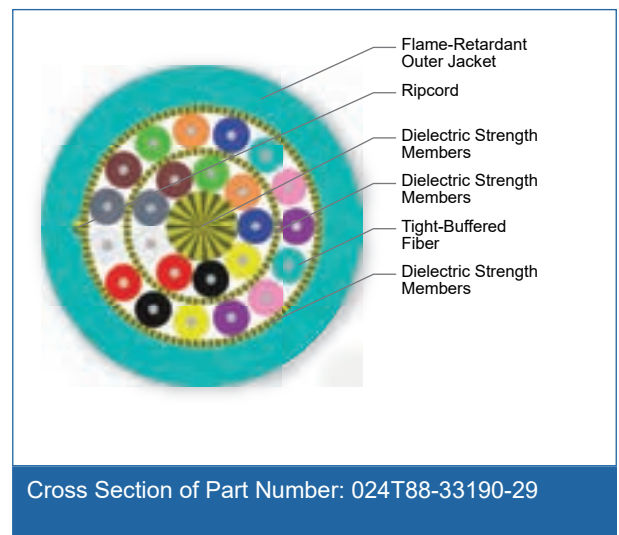
National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596

Flame Resistance

NFPA 262 (for plenum, riser and general building applications)



Part Number: 024T88-33190-29



Cross Section of Part Number: 024T88-33190-29

MIC® Tight-Buffered Cable, Plenum

24 F, 50 µm multimode (OM4)

CORNING

Specifications

General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Distribution
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM4)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	0 °C to 60 °C (32 °F to 140 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

Cable Design

Central Element	Yarn
Fiber Count	24
Tight Buffer Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight Buffer Color, Layer 2	Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable

Max. Tensile Strengths, Short-Term	440 N (100 lbf)
Max. Tensile Strengths, Long-Term	132 N (30 lbf)
Nominal Outer Diameter	7.8 mm (0.31 in)
Weight	64 kg/km (45 lb/1000 ft)
Min. Bend Radius Installation	117 mm (4.6 in)
Min. Bend Radius Operation	78 mm (3.1 in)

CORNING

MIC® Tight-Buffered Cable, Plenum

24 F, 50 µm multimode (OM4)

CORNING

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Type	Multimode
Fiber Core Diameter	50 µm
Fiber Category	OM4
Fiber Code	T
Performance Option Code	90
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Serial 1 Gigabit Ethernet	1100 m / 600 m
Serial 10 Gigabit Ethernet	550 m / -

* Assumes 1.0 dB maximum total connector/splice loss.

* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.

2) Improved attenuation and bandwidth options available.

3) Bend-insensitive single-mode fibers available on request.

4) Contact a Corning Cable Systems Customer Care Representative for additional information.

Ordering Information

Part Number	024T88-33190-29
Product Description	MIC® Tight-Buffered Cable, Plenum, 24 F, 50 µm multimode (OM4)



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CORNING

MIC[®] Tight-Buffered, Interlocking Armored Cable, Plenum

12 F, 50 µm multimode (OM3)

CORNING

Corning Cable Systems MIC[®] Interlocking Armored Plenum Cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use individually jacketed TBII[®] Buffered Fibers enabling easy, consistent stripping and facilitating termination. The fibers are grouped into jacketed subunits and surrounded by a dielectric central member.

The core is protected by a flexible, spirally wrapped, aluminum interlocking armor that offers easy, one-step installation and over seven times the crush protection of unarmored cables. With a flame-retardant outer jacket, this cable is particularly useful for heavy traffic or more challenging mechanical exposure conditions and applications requiring extra rugged cables.

This cable is available in 12 different jacket colors - blue, orange, green, brown, slate, white, red, black, yellow, purple, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Features and Benefits

Flexible, interlocking armor design

Seven times crush protection compared to unarmored cables

TBII[®] Buffered Fibers

Easy, consistent stripping

Flame-retardant jacket

Rugged and durable

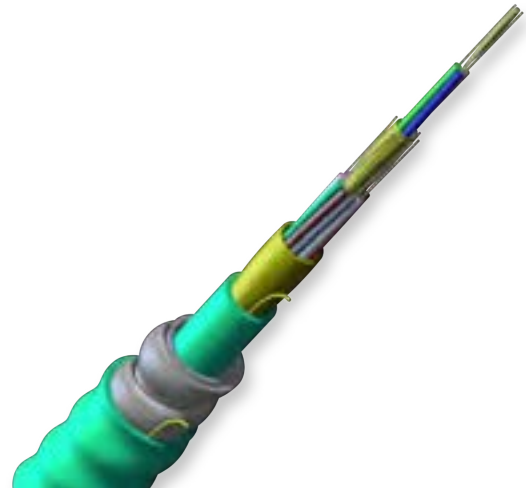
Standards

Approval and Listings

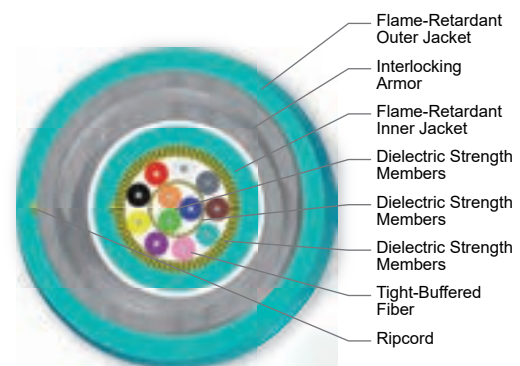
National Electrical Code[®]
(NEC[®]) OFCP, CSA FT-6,
ICEA S-83-596

Flame Resistance

NFPA 262 (for plenum, riser
and general building appli-
cations)



Part Number: 012T88-33180-A3



Cross Section of Part Number: 012T88-33180-A3

MIC[®] Tight-Buffered, Interlocking Armored Cable, Plenum

12 F, 50 µm multimode (OM3)

CORNING

Specifications

General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Interlocking armor
Flame Rating	Plenum (OFCP)
Fiber Category	50 µm MM (OM3)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	0 °C to 60 °C (32 °F to 140 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

Cable Design

Central Element	Yarn
Fiber Count	12
Tight Buffer Color	Blue, Orange, Green
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight Buffer Color, Layer 2	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Ripcords	2
Inner Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 3	Interlocking armor
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable

Nominal Inner Cable Diameter	6.1 mm (0.24 in)
Nominal Outer Diameter	12.6 mm (0.5 in)
Weight	151 kg/km (105 lb/1000 ft)
Max. Tensile Strengths, Short-Term	440 N (100 lbf)
Max. Tensile Strengths, Long-Term	132 N (30 lbf)

MIC[®] Tight-Buffered, Interlocking Armored Cable, Plenum

12 F, 50 µm multimode (OM3)

CORNING

Mechanical Characteristics Cable

Min. Bend Radius Installation	189 mm (7.4 in)
Min. Bend Radius Operation	126 mm (5 in)

Fiber Specifications

Optical Characteristics (cabled)

Fiber Type	Multimode
Fiber Core Diameter	50 µm
Fiber Category	OM3
Fiber Code	T
Performance Option Code	80
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -
Induced Attenuation @ 7.5 mm Radius	< 30 dB up to 80 dB

* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.
2) Improved attenuation and bandwidth options available.
3) Bend-insensitive single-mode fibers available on request.
4) Contact a Corning Cable Systems Customer Care Representative for additional information.

Ordering Information

Part Number	012T88-33180-A3
Product Description	MIC [®] Tight-Buffered, Interlocking Armored Cable, Plenum, 12 F, 50 µm multimode (OM3)

CORNING

MIC[®] Tight-Buffered, Interlocking Armored Cable, Plenum

12 F, 50 μ m multimode (OM3)

The Corning logo is a blue square with the word "CORNING" in white, serif, uppercase letters centered within it.

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MIC® Tight-Buffered, Interlocking Armored Cable, Plenum

24 F, 50 µm multimode (OM3)

CORNING

Corning Cable Systems MIC® Interlocking Armored Plenum Cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use individually jacketed TBII® Buffered Fibers enabling easy, consistent stripping and facilitating termination. The fibers are grouped into jacketed subunits and surrounded by a dielectric central member.

The core is protected by a flexible, spirally wrapped, aluminum interlocking armor that offers easy, one-step installation and over seven times the crush protection of unarmored cables. With a flame-retardant outer jacket, this cable is particularly useful for heavy traffic or more challenging mechanical exposure conditions and applications requiring extra rugged cables.

This cable is available in 12 different jacket colors - blue, orange, green, brown, slate, white, red, black, yellow, purple, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Features and Benefits

Flexible, interlocking armor design

Seven times crush protection compared to unarmored cables

TBII® Buffered Fibers

Easy, consistent stripping

Flame-retardant jacket

Rugged and durable

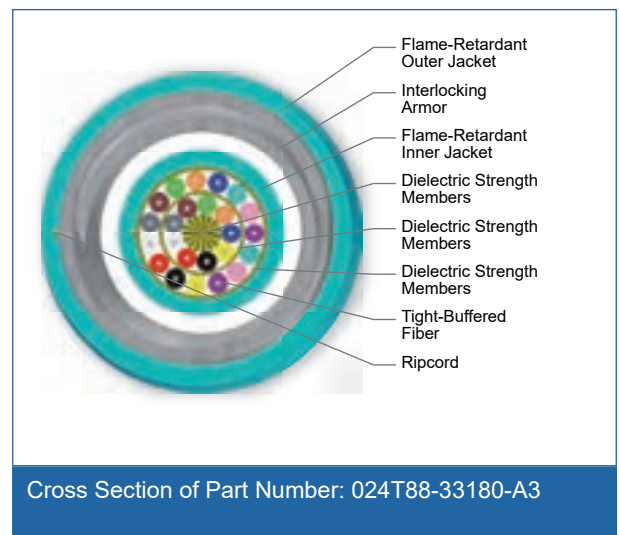
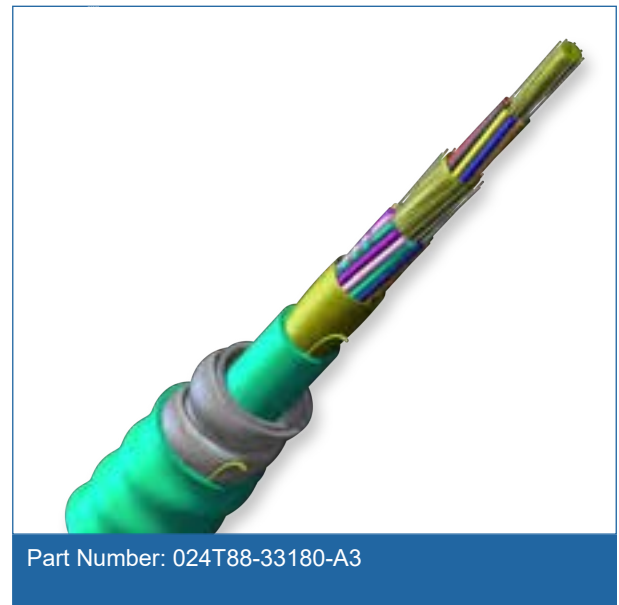
Standards

Approval and Listings

National Electrical Code® (NEC®) OFCP, CSA FT-6, ICEA S-83-596

Flame Resistance

NFPA 262 (for plenum, riser and general building applications)



MIC[®] Tight-Buffered, Interlocking Armored Cable, Plenum

24 F, 50 µm multimode (OM3)

CORNING

Specifications

General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Interlocking armor
Flame Rating	Plenum (OFCP)
Fiber Category	50 µm MM (OM3)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	0 °C to 60 °C (32 °F to 140 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

Cable Design

Central Element	Yarn
Fiber Count	24
Tight Buffer Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight Buffer Color, Layer 2	Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Ripcords	2
Inner Jacket Material	Flame-retardant
Tensile Strength Elements and/or Armoring - Layer 3	Interlocking armor
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable

Nominal Inner Cable Diameter	7.8 mm (0.31 in)
Nominal Outer Diameter	14.3 mm (0.56 in)
Weight	197 kg/km (136 lb/1000 ft)
Max. Tensile Strengths, Short-Term	660 N (150 lbf)
Max. Tensile Strengths, Long-Term	200 N (45 lbf)

MIC[®] Tight-Buffered, Interlocking Armored Cable, Plenum

24 F, 50 µm multimode (OM3)

CORNING

Mechanical Characteristics Cable

Min. Bend Radius Installation	215 mm (8.5 in)
Min. Bend Radius Operation	143 mm (5.6 in)

Fiber Specifications

Optical Characteristics (cabled)

Fiber Type	Multimode
Fiber Core Diameter	50 µm
Fiber Category	OM3
Fiber Code	T
Performance Option Code	80
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -
Induced Attenuation @ 7.5 mm Radius	< 30 dB up to 80 dB

* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.
2) Improved attenuation and bandwidth options available.
3) Bend-insensitive single-mode fibers available on request.
4) Contact a Corning Cable Systems Customer Care Representative for additional information.

Ordering Information

Part Number	024T88-33180-A3
Product Description	MIC [®] Tight-Buffered, Interlocking Armored Cable, Plenum, 24 F, 50 µm multimode (OM3)

CORNING

MIC[®] Tight-Buffered, Interlocking Armored Cable, Plenum

24 F, 50 μ m multimode (OM3)

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Notes



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CORNING

MIC® Tight-Buffered Cable, Plenum

12 F, 50 µm multimode (OM4)

CORNING

Corning Cable Systems MIC® Plenum Cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm TBII® Buffered Fibers to allow easy, consistent stripping and to facilitate termination. The fibers are surrounded by dielectric strength members and protected by a flame-retardant outer jacket.

The all-dielectric cable construction requires no grounding or bonding. MIC Plenum cables are ideal for routing inside buildings, within plenum areas and riser shafts, to the telecommunications rooms and workstations. The MIC Plenum Cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and are OFNP and FT-6 listed.

This cable is available in 12 different jacket colors - blue, orange, green, brown, slate, white, red, black, yellow, purple, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Features and Benefits

900 µm TBII® Buffered Fibers

Easy, consistent stripping

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable

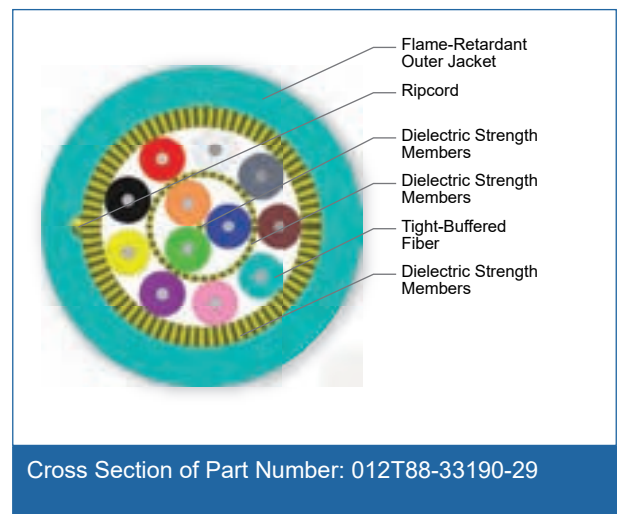
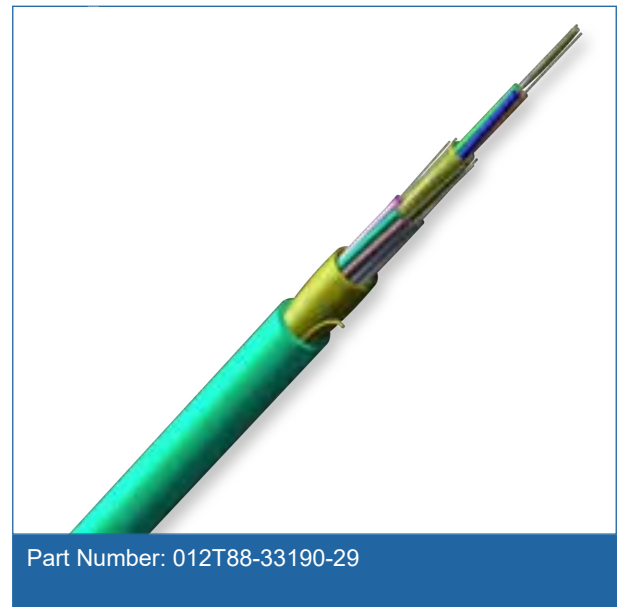
Standards

Approval and Listings

National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596

Flame Resistance

NFPA 262 (for plenum, riser and general building applications)



MIC[®] Tight-Buffered Cable, Plenum

12 F, 50 µm multimode (OM4)

CORNING

Specifications

General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Distribution
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM4)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	0 °C to 60 °C (32 °F to 140 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

Cable Design

Central Element	Yarn
Fiber Count	12
Tight Buffer Color	Blue, Orange, Green
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight Buffer Color, Layer 2	Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable

Max. Tensile Strengths, Short-Term	440 N (100 lbf)
Max. Tensile Strengths, Long-Term	132 N (30 lbf)
Nominal Outer Diameter	6.1 mm (0.24 in)
Weight	37 kg/km (26 lb/1000 ft)
Min. Bend Radius Installation	92 mm (3.6 in)
Min. Bend Radius Operation	31 mm (1.2 in)

CORNING

MIC[®] Tight-Buffered Cable, Plenum

12 F, 50 µm multimode (OM4)

CORNING

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Type	Multimode
Fiber Core Diameter	50 µm
Fiber Category	OM4
Fiber Code	T
Performance Option Code	90
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Serial 1 Gigabit Ethernet	1100 m / 600 m
Serial 10 Gigabit Ethernet	550 m / -

* Assumes 1.0 dB maximum total connector/splice loss.

* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.

2) Improved attenuation and bandwidth options available.

3) Bend-insensitive single-mode fibers available on request.

4) Contact a Corning Cable Systems Customer Care Representative for additional information.

Ordering Information

Part Number	012T88-33190-29
Product Description	MIC [®] Tight-Buffered Cable, Plenum, 12 F, 50 µm multimode (OM4)



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CORNING

MIC® Tight-Buffered Cable, Plenum

24 F, 50 µm multimode (OM4)

CORNING

Corning Cable Systems MIC® Plenum Cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multifiber cables use 900 µm TBII® Buffered Fibers to allow easy, consistent stripping and to facilitate termination. The fibers are surrounded by dielectric strength members and protected by a flame-retardant outer jacket.

The all-dielectric cable construction requires no grounding or bonding. MIC Plenum cables are ideal for routing inside buildings, within plenum areas and riser shafts, to the telecommunications rooms and workstations. The MIC Plenum Cables meet the application requirements of the National Electrical Code® (NEC®) Article 770 and are OFNP and FT-6 listed.

This cable is available in 12 different jacket colors - blue, orange, green, brown, slate, white, red, black, yellow, purple, rose and aqua. The colored jacket allows for easy visual identification of the cables. The standard jacket color will be determined by the dominant fiber type in the cable and will use the standard part numbers shown here. Contact Customer Care at 1-800-743-2675 to order other color options.

Features and Benefits

900 µm TBII® Buffered Fibers

Easy, consistent stripping

All-dielectric construction

Requires no grounding or bonding

Flame-retardant jacket

Rugged and durable

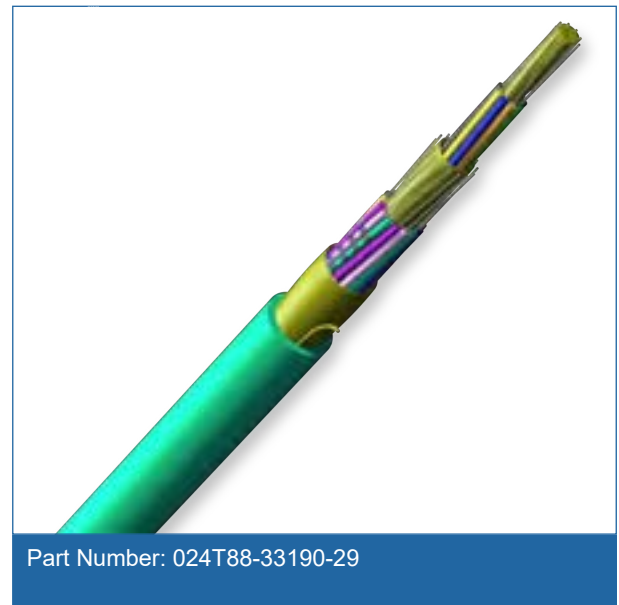
Standards

Approval and Listings

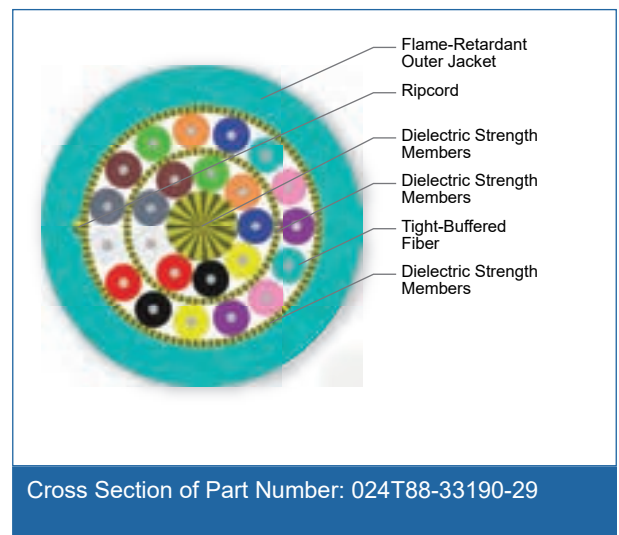
National Electrical Code® (NEC®) OFNP, CSA FT-6, ICEA S-83-596

Flame Resistance

NFPA 262 (for plenum, riser and general building applications)



Part Number: 024T88-33190-29



Cross Section of Part Number: 024T88-33190-29

MIC[®] Tight-Buffered Cable, Plenum

24 F, 50 µm multimode (OM4)

CORNING

Specifications

General Specifications

Environment	Indoor
Application	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Distribution
Flame Rating	Plenum (OFNP)
Fiber Category	50 µm MM (OM4)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	0 °C to 60 °C (32 °F to 140 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

Cable Design

Central Element	Yarn
Fiber Count	24
Tight Buffer Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow
Tensile Strength Elements and/or Armoring - Layer 1	Dielectric strength members
Tight Buffer Color, Layer 2	Violet, Rose, Aqua, Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black*, Yellow*, Violet*, Rose*, Aqua*
Tensile Strength Elements and/or Armoring - Layer 2	Dielectric strength members
Number of Ripcords	1
Outer Jacket Material	Flame-retardant
Outer Jacket Color	Aqua

Mechanical Characteristics Cable

Max. Tensile Strengths, Short-Term	440 N (100 lbf)
Max. Tensile Strengths, Long-Term	132 N (30 lbf)
Nominal Outer Diameter	7.8 mm (0.31 in)
Weight	64 kg/km (45 lb/1000 ft)
Min. Bend Radius Installation	117 mm (4.6 in)
Min. Bend Radius Operation	78 mm (3.1 in)

MIC® Tight-Buffered Cable, Plenum

24 F, 50 µm multimode (OM4)

CORNING

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Type	Multimode
Fiber Core Diameter	50 µm
Fiber Category	OM4
Fiber Code	T
Performance Option Code	90
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	2.8 dB/km / 1 dB/km
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	4700 MHz*km / -
Serial 1 Gigabit Ethernet	1100 m / 600 m
Serial 10 Gigabit Ethernet	550 m / -

* Assumes 1.0 dB maximum total connector/splice loss.

* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.

2) Improved attenuation and bandwidth options available.

3) Bend-insensitive single-mode fibers available on request.

4) Contact a Corning Cable Systems Customer Care Representative for additional information.

Ordering Information

Part Number	024T88-33190-29
Product Description	MIC® Tight-Buffered Cable, Plenum, 24 F, 50 µm multimode (OM4)



Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

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CORNING

ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess™ Technology

12 F, 50 μ m multimode (OM3)

CORNING

Corning Cable Systems ALTOS® Cable with FastAccess™ Technology is an all-dielectric gel-free cable designed for outdoor and limited indoor use for campus backbones in lashed aerial and duct installations. The innovative FastAccess Technology feature combined with the all-dielectric gel-free loose tube design simplifies removal of the cable jacket reducing cable end access time by at least 50 percent. Equally important is the overall reduction in risk of inadvertent fiber damage and risk to installers from sharp cable access tools. The cable is fully waterblocked using craft-friendly, water-swellaable materials, which means no clean up is required. The flexible buffer tubes are easy to route in closures, and the SZ-stranded, loose tube design isolates fibers from installation and environmental rigors while allowing easy midspan access. The all-dielectric gel-free cable construction requires no bonding or grounding, and these cables have a medium-density polyethylene jacket that is rugged, durable, and easy to handle. A variety of fiber types are available including 62.5 μ m and 50 μ m, single-mode and hybrid versions, as well as fibers with Gigabit and 10 Gigabit Ethernet performance.



Features and Benefits

Contains FastAccess™ Technology

Innovative cable jacket feature reduces cable end access time by at least 50 percent and reduces overall risk of inadvertent fiber damage as well as risk to installers from sharp cable access tools

Medium-density polyethylene jacket

Rugged, durable and easy to strip while providing superior protection against UV radiation, fungus, abrasion and other environmental factors

Fully waterblocked loose tube all-dielectric gel-free design

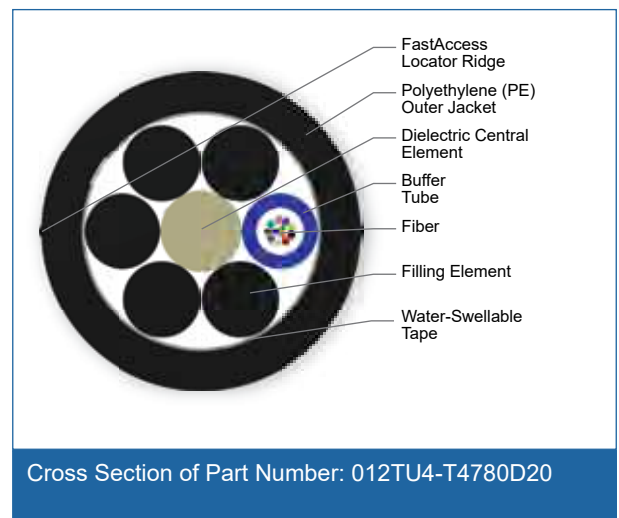
Simple access and no clean up

Industry-standard performance

Meets the requirements of Telcordia GR-20, Issue 3 and ICEA S-87-640

Available in 62.5 μ m, 50 μ m, single-mode and hybrid versions

Ready for any application including Gigabit Ethernet and 10 Gigabit Ethernet



ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess™ Technology

12 F, 50 µm multimode (OM3)

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Standards

Common Installations Outdoor lashed aerial and duct; indoor when installed according to National Electrical Code® (NEC®) Article 770

Design and Test Criteria ANSI/ICEA S-87-640

Specifications

General Specifications

Environment	Outdoor
Application	Aerial, Duct
Cable Type	Loose Tube
Product Type	Dielectric
Fiber Category	50 µm MM (OM3)

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)

Cable Design

Central Element	Dielectric
Fiber Count	12
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	6
Number of Active Tubes	1
Buffer Tube Color Coding	Blue
Buffer Tube Diameter	2.5 mm (0.1 in)
Number of Filling Elements	5
Tape	Water-swellable
Number of Ripcords	1
Outer Jacket Material	Polyethylene (PE)

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ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess™ Technology

12 F, 50 µm multimode (OM3)

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Cable Design

Outer Jacket Color	Black
Maximum Fibers per Tube	12

Mechanical Characteristics Cable

Max. Tensile Strengths, Short-Term	2700 N (600 lbf)
Max. Tensile Strengths, Long-Term	890 N (200 lbf)
Weight	73 kg/km (49 lb/1000 ft)
Nominal Outer Diameter	10.5 mm (0.41 in)
Min. Bend Radius Installation	158 mm (6.2 in)
Min. Bend Radius Operation	105 mm (4.1 in)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Fiber Specifications

Optical Characteristics (cabled)

Fiber Type	Multimode
Fiber Core Diameter	50 µm
Fiber Category	OM3
Fiber Code	T
Performance Option Code	80
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -

* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.
2) Improved attenuation and bandwidth options available.
3) Bend-insensitive single-mode fibers available on request.
4) Contact a Corning Cable Systems Customer Care Representative for additional information.

CORNING

ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess™ Technology

12 F, 50 µm multimode (OM3)

CORNING

Ordering Information

Part Number	012TU4-T4780D20
Product Description	ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess™ Technology, 12 F, 50 µm multimode (OM3)



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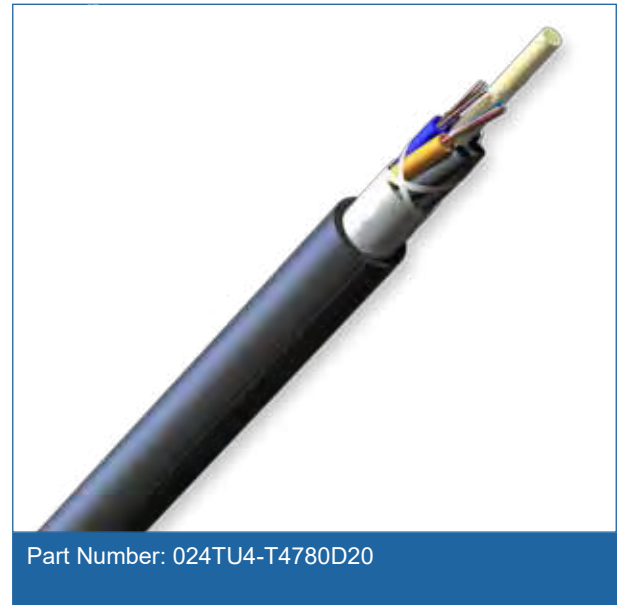
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ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess™ Technology

24 F, 50 μ m multimode (OM3)

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Features and Benefits

Contains FastAccess™ Technology

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Fully waterblocked loose tube all-dielectric gel-free design

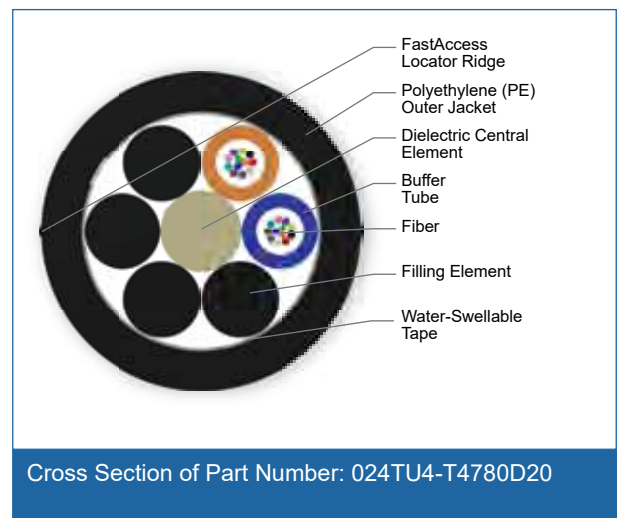
Simple access and no clean up

Industry-standard performance

Meets the requirements of Telcordia GR-20, Issue 3 and ICEA S-87-640

Available in 62.5 μ m, 50 μ m, single-mode and hybrid versions

Ready for any application including Gigabit Ethernet and 10 Gigabit Ethernet



ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess™ Technology

24 F, 50 µm multimode (OM3)

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Standards

Common Installations Outdoor lashed aerial and duct; indoor when installed according to National Electrical Code® (NEC®) Article 770

Design and Test Criteria ANSI/ICEA S-87-640

Specifications

General Specifications	
Environment	Outdoor
Application	Aerial, Duct
Cable Type	Loose Tube
Product Type	Dielectric
Fiber Category	50 µm MM (OM3)
Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)
Cable Design	
Central Element	Dielectric
Fiber Count	24
Fiber Coloring	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fibers per Tube	12
Number of Tube Positions	6
Number of Active Tubes	2
Buffer Tube Color Coding	Blue, Orange
Buffer Tube Diameter	2.5 mm (0.1 in)
Number of Filling Elements	4
Tape	Water-swellable
Number of Ripcords	1
Outer Jacket Material	Polyethylene (PE)

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ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess™ Technology

24 F, 50 µm multimode (OM3)

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Cable Design

Outer Jacket Color	Black
Maximum Fibers per Tube	12

Mechanical Characteristics Cable

Max. Tensile Strengths, Short-Term	2700 N (600 lbf)
Max. Tensile Strengths, Long-Term	890 N (200 lbf)
Weight	73 kg/km (49 lb/1000 ft)
Nominal Outer Diameter	10.5 mm (0.41 in)
Min. Bend Radius Installation	158 mm (6.2 in)
Min. Bend Radius Operation	105 mm (4.1 in)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Fiber Specifications

Optical Characteristics (cabled)

Fiber Type	Multimode
Fiber Core Diameter	50 µm
Fiber Category	OM3
Fiber Code	T
Performance Option Code	80
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.0 dB/km / 1.0 dB/km
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	2000 MHz*km / -
Serial 1 Gigabit Ethernet	1000 m / 600 m
Serial 10 Gigabit Ethernet	300 m / -

* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™/Pretium EDGE® Systems Solutions.

Notes: 1) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.
2) Improved attenuation and bandwidth options available.
3) Bend-insensitive single-mode fibers available on request.
4) Contact a Corning Cable Systems Customer Care Representative for additional information.

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ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess™ Technology

24 F, 50 µm multimode (OM3)

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Ordering Information

Part Number	024TU4-T4780D20
Product Description	ALTOS® Loose Tube, Gel-Free, All-Dielectric Cable with FastAccess™ Technology, 24 F, 50 µm multimode (OM3)



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CORNING



Riser-Gard Flexible Raceway

T&B Catalog Number:

DF4X1C-~~6500~~ CUT REEL

UPC Number:

03448117952

Status:

Active

Description:

1 Inch Riser-Gard orange corrugated non-metallic flexible raceway with tape, reel length-6500 foot.

Features

UL Listed and is available with tape pre-installed.

Listed to UL 2024 in accordance with the National Electrical Code per Articles 725, 770, 800 and 820 for Riser, General Purpose and other cabling optical fiber/telecommunication applications.

FT-4 Rated

Application

Riser-Gard is suitable for use in vertical runs in a shaft or between floors, as well as areas other than the plenum.

Riser and general purpose applications

General

Material	Non-Metallic
Color	Orange
Reel Type	Wood
Reel Length (feet)	6500
Reel Size (Feet x Width)	72" x 41"
Storage Temperatures	-4 degree F to 158 degree F
Handling Temperatures	-4 degree to 104 degree F
Pull Tape (lbs)	900

Dimension Information

Size (inches)	1
Minimum Bend Radius (inches)	6
Minimum O.D. (inches)	1.29
Maximum O. D. (inches)	1.34

Packaging

T&B Order Multiple	6500
Package in Units	6500
T&B Sold in UOM	Feet
T&B Weight Per UOM	0.19 lbs. Each

Application Support

T&B Sales Drawings	wsd-ac04182
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Certifications

RoHS Compliance	Yes
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Certifications



File Nbr:

E 13938

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Email: techsupport@tnb.com



Plenum-Gard Flexible Conduit

T&B Catalog Number:



CF4X1C-6500 CUT REEL

UPC Number:

03448117951

Status:

Active

Description:

1 Inch Plenum-Gard orange corrugated non-metallic flexible conduit with tape, reel length-6500 foot.

Features

Manufactured from PVDF resin which is extremely durable and resistant to abrasion and mechanical damage before/after cable installation.

Listed to UL 2024 in accordance with the National Electrical Code for Plenum, Riser, General Purpose and other cabling optical fiber and telecommunication applications as defined in Articles 725, 770, 800 and 820.

FT-6 Rated

Application

Plenum, riser and general purpose applications.

General

Material	Non-Metallic
Color	Orange
Reel Type	Wood
Reel Length (feet)	6500
Reel Size (Feet x Width)	72" x 41"
Storage Temperatures	-4 degree F to 158 degree F
Handling Temperatures	-4 degree to 104 degree F
Pull Tape (lbs)	900

Dimension Information

Size (inches)	1
Minimum Bend Radius (inches)	3
Minimum O.D. (inches)	1.292
Maximum O. D. (inches)	1.312

Packaging

T&B Order Multiple	6500
Package in Units	6500
T&B Sold in UOM	Feet
T&B Weight Per UOM	0.14 lbs. Each

Application Support

T&B Sales Drawings	wsd-001576
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Certifications

RoHS Compliance	Yes
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Certifications



File Nbr:

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MaxCell: Part Number Overview

All MaxCell is white in color. The heavy thread “stripe” running along the length of the MaxCell “pack” is specified by the part numbers below. Each individual pull tape in each cell has its own unique thread “stripe” for easy identification. Pull tapes are either white, white with blue stripe, or white with orange stripe.

Product (Std. Color)	Footage (Feet)	Standard Product (MXC)	Detectable Product (MXD)	Plenum Product (MXP)	Riser Product (MXR)
4" 3-Cell Product Standard color is Green (GR)	250 500-999 1,000-2,649 2,650-5,299 5,300-9,999 10,000-13,000	MXC4003XX250 MXC4003XX500 MXC4003XX1000 MXC4003XX2650 MXC4003XX5300 MXC4003XX10000	MXD4003XX250 MXD4003XX500 MXD4003XX1000 MXD4003XX2650 MXD4003XX5300 MXD4003XX10000	Plenum 4" 3-Cell Not Available	MXR4003XX250 MXR4003XX500 MXR4003XX1000 MXR4003XX2650 MXR4003XX5300 MXR4003XX10000
3" 3-Cell Product Standard colors are either Black (BK) or Blue (BL) or Red (RD)	250 500-999 1,000-2,649 2,650-5,299 5,300-9,999 10,000-13,000	MXC3456XX250 MXC3456XX500 MXC3456XX1000 MXC3456XX2650 MXC3456XX5300 MXC3456XX10000	MXD3456XX250 MXD3456XX500 MXD3456XX1000 MXD3456XX2650 MXD3456XX5300 MXD3456XX10000	MXP3456XX250 MXP3456XX500 MXP3456XX1000 MXP3456XX2650 MXP3456XX5300 MXP3456XX10000	MXR3456XX250 MXR3456XX500 MXR3456XX1000 MXR3456XX2650 MXR3456XX5300 MXR3456XX10000
2" 3-Cell Product Standard color is Yellow (YL)	250 500-999 1,000-2,649 2,650-5,299 5,300-9,999 10,000-13,000	MXC2003XX250 MXC2003XX500 MXC2003XX1000 MXC2003XX2650 MXC2003XX5300 MXC2003XX10000	MXD2003XX250 MXD2003XX500 MXD2003XX1000 MXD2003XX2650 MXD2003XX5300 MXD2003XX10000	MXP2003XX250 MXP2003XX500 MXP2003XX1000 MXP2003XX2650 MXP2003XX5300 MXP2003XX10000	MXR2003XX250 MXR2003XX500 MXR2003XX1000 MXR2003XX2650 MXR2003XX5300 MXR2003XX10000
2" 2-Cell Product Standard color is Purple (PR)	250 500-999 1,000-2,649 2,650-5,299 5,300-9,999 10,000-13,000	MXC2002XX250 MXC2002XX500 MXC2002XX1000 MXC2002XX2650 MXC2002XX5300 MXC2002XX10000	MXD2002XX250 MXD2002XX500 MXD2002XX1000 MXD2002XX2650 MXD2002XX5300 MXD2002XX10000	MXP2002XX250 MXP2002XX500 MXP2002XX1000 MXP2002XX2650 MXP2002XX5300 MXP2002XX10000	MXR2002XX250 MXR2002XX500 MXR2002XX1000 MXR2002XX2650 MXR2002XX5300 MXR2002XX10000
2" 1-Cell Product Standard color is White (WH)	250 500-999 1,000-2,649 2,650-5,299 5,300-9,999 10,000-13,000	MXC2001XX250 MXC2001XX500 MXC2001XX1000 MXC2001XX2650 MXC2001XX5300 MXC2001XX10000	MXD2001XX250 MXD2001XX500 MXD2001XX1000 MXD2001XX2650 MXD2001XX5300 MXD2001XX10000	MXP2001XX250 MXP2001XX500 MXP2001XX1000 MXP2001XX2650 MXP2001XX5300 MXP2001XX10000	MXR2001XX250 MXR2001XX500 MXR2001XX1000 MXR2001XX2650 MXR2001XX5300 MXR2001XX10000
Micro 3-Cell Product Standard color is Black (BK)	250 500-999 1,000-2,649 2,650-5,299 5,300-9,999 10,000-13,000	MXCM3303XX250 MXCM3303XX500 MXCM3303XX1000 MXCM3303XX2650 MXCM3303XX5300 MXCM3303XX10000	MXDM3303XX250 MXDM3303XX500 MXDM3303XX1000 MXDM3303XX2650 MXDM3303XX5300 MXDM3303XX10000	MXPM3303XX250 MXPM3303XX500 MXPM3303XX1000 MXPM3303XX2650 MXPM3303XX5300 MXPM3303XX10000	MXRM3303XX250 MXRM3303XX500 MXRM3303XX1000 MXRM3303XX2650 MXRM3303XX5300 MXRM3303XX10000
Micro 2-Cell Product Standard color is Black (BK)	250 500-999 1,000-2,649 2,650-5,299 5,300-9,999 10,000-13,000	MXCM3302XX250 MXCM3302XX500 MXCM3302XX1000 MXCM3302XX2650 MXCM3302XX5300 MXCM3302XX10000	MXDM3302XX250 MXDM3302XX500 MXDM3302XX1000 MXDM3302XX2650 MXDM3302XX5300 MXDM3302XX10000	MXPM3302XX250 MXPM3302XX500 MXPM3302XX1000 MXPM3302XX2650 MXPM3302XX5300 MXPM3302XX10000	MXRM3302XX250 MXRM3302XX500 MXRM3302XX1000 MXRM3302XX2650 MXRM3302XX5300 MXRM3302XX10000
Micro 1-Cell Product Standard color is Black (BK)	250 500-999 1,000-2,649 2,650-5,299 5,300-9,999 10,000-13,000	MXCM3301XX250 MXCM3301XX500 MXCM3301XX1000 MXCM3301XX2650 MXCM3301XX5300 MXCM3301XX10000	MXDM3301XX250 MXDM3301XX500 MXDM3301XX1000 MXDM3301XX2650 MXDM3301XX5300 MXDM3301XX10000	MXPM3301XX250 MXPM3301XX500 MXPM3301XX1000 MXPM3301XX2650 MXPM3301XX5300 MXPM3301XX10000	MXRM3301XX250 MXRM3301XX500 MXRM3301XX1000 MXRM3301XX2650 MXRM3301XX5300 MXRM3301XX10000

Productivity Redefined

MaxCell® is offered in a variety of configurations and reel sizes. The part numbers used for ordering MaxCell are constructed using by as many as 14 characters:

MX C 3456 XX 10000

MX is the standard prefix to identify the product as a MaxCell product.

C is the Product Line Code (*C-Standard, D-Detachable, P-Plenum, R-Riser*)

3456 is the Product Configuration Code (*3456-3" 3 Cell, 2002-2" 2 Cell, 2003-2" 3 Cell, 4003-4" 3 Cell, 2001-2" 1 Cell*)

XX is the color code (*BK-Black, RD-Red, BL-Blue, YL-Yellow, WH-White, PR-Purple, GR-Green*)

10000 is a standard footage* (*Standard Footages used in Part Number*)

Standard Colors:

3" 3-Cell: Black, Blue, Red; 2" 2-Cell: Purple; 2" 3-Cell: Yellow; 2" 1-Cell: White; 4" 3-Cell: Green

*The standard footages used in our part numbers do represent standard put up reel lengths, but they also represent pricing standards. Standard footages are also used for custom orders but such orders require textual definition to specific reel lengths.

MaxCell: Pricing Rules & Accessory Number Overview

Pricing Rules

Pricing By Reels – Pricing for all orders is based on individual reel lengths. The standard colors for each product are shown. When using XX for non-standard colors, textual definition is required on the order as to the requested color.

Custom Reel Pricing – When ordering custom length reels, the standard length reel part number less than the required length is used for both part numbers and pricing and textual definition is required for specific lengths. For example, for standard black 3" 3 Cell, when needing 4 reels with 3500' each, the pricing is based upon the MXC3456BK2650 and the Purchase Order shall read:

Part#: MXC3456BK2650

Qty: 14,000' (4 reels, 3500' each)

Quantity Definitions – Purchase Orders received with evenly divided standard footages and no textual notes will be interpreted as standard reel length orders with no requested clarification. An order received with part number MXC3456BK2650 and a quantity of 10,600 will be shipped as 4 x 2650' reels.

Accessory Part Number Overviews

Installation Kits

Part Number	Description
MXCIK11	Install kit for all products, single pack pulls
MXCIK21	Install kit for all products, double pack pulls
MXCIK31CH	Install kit for all products, triple pack pulls

Installation Parts

Part Number	Description
MXCSW	1800lb swivel, .875" OD
MXC2CH	2-Way chain harness
MXC3CH	3-Way chain harness

Termination Products-Inflatable Wrap Bags

Part Number	Description
MXCITB3	Inflatable termination bag for a 3" conduit
MXCITB4	Inflatable termination bag for a 4" conduit
MXCITB5	Inflatable termination bag for a 5" conduit
MXCITB6	Inflatable termination bag for a 6" conduit
MXCITT	Inflation termination tool
MXCIGC	CO2 Gas cartridge for MXCITT

Termination Products-100% Water Tight Split Plugs

Part Number	Description
MXCTP4	4" Duct water tight termination plug
MXCTP6	6" Duct water tight termination plug
MXCTBSET070	Bushing set, MaxCell for .70" holes
MXCTBSET090	Bushing set, MaxCell for .90" holes
MXCTBSET110	Bushing set, MaxCell for 1.10" holes

Opt-X® 1000i Rack-Mount Enclosures

1RU, 2RU, 3RU, & 4RU

APPLICATION

The Opt-X 1000i Rack-Mount Enclosure allows for inter-connect or cross-connect between backbone cable and active equipment while using minimum rack space in a frame or cabinet setting. The enclosure's features and design allow for easy field termination of connectors, splicing, or pre-terminated plug-n-play solutions. The fiber enclosure is primarily used in data centers, equipment rooms, and telecommunication rooms.



SPECIFICATION

Fiber enclosure shall be available in 1RU, 2RU, 3RU, and 4RU versions to accommodate termination and splicing of fiber. A removable sliding tray shall also be available in 1RU and 2RU enclosures. Adapter bulkhead shall accept SC, LC, ST, and MTP® adapters, and plug-n-play MTP cassettes. 4RU enclosures shall accommodate up to 15 adapter plates for 360 fiber connections. Fiber cable management for routing, storage, and protection shall accept patch cords, tight-buffer fiber, and backbone cables. Rear fiber cable management rings shall be stackable and configurable in quarter-, half-, or full-ring arrangements. Enclosure shall be constructed of 16-gauge steel with a powder-coated black finish and be mountable in either a 19-inch or 23-inch rack or cabinet frame. An optional locking door feature shall be available. Country of origin for product shall be United States of America.

FEATURES

- 15-inch depth for high-density fiber termination and/or splicing
- Stackable and adjustable fiber rings simplify cable organization
- Front saddles pivot for improved patch cord routing
- Removable front and rear covers offer better access to the interior of the enclosure
- Removable rubber grommet allows for pre-terminated fiber trunk install, protects cable, and minimizes dust build-up
- Sliding tray (an option in 1RU and 2RU enclosures) glides forward and backward for front and rear bulkhead access after installation, and removes completely from enclosure for ease of field terminations and splicing
- Constructed of 16-gauge steel, powder-coated black
- 1RU or 2RU Retrofit Sliding Trays, sold separately, allow for higher-density applications using HDX MTP® Cassettes or HDX Adapter Plates (sliding tray does not accommodate splice trays)

DESIGN CONSIDERATIONS

- Accepts Opt-X adapter plates and/or cassettes
- Optional cable strain-relief mounting kit (for installation on side of enclosure or on rack post)
- 19-inch or 23-inch enclosure rack-mount option (23-inch 1RU mounting bracket sold separately)
- Protrudes 4.5 inches from mounting ears to align with Leviton Versi-Duct® Cable Management System
- Capable of storing up to 3 meters of 900 µm tight-buffered fiber per adapter
- Adapter plate on 3RU/4RU orients horizontally or vertically for optimal density
- Door lock option available on front, rear, or both
- Enclosures are sold empty (unloaded), and can be pre-configured to customer specifications (see page three)
- Enclosure includes an accessory kit consisting of cable ties, mounting screws, ID label, and spiral wrap (for cable protection on units with a sliding tray)

STANDARDS COMPLIANCE

Meets or exceeds all ANSI/TIA-568-C.3 requirements

PHYSICAL SPECIFICATIONS

Capacity and dimensions: See page two.

Materials: Constructed of 16-gauge steel, powder-coated black. Plastic parts made using self-extinguishing ABS and polycarbonate materials rated UL 94V-2. Grommet material made of Santoprene®, a thermoplastic rubber elastomer.

5RxUM-xxx

Page 1 of 3

MTP® is a registered trademark of US Conec, Ltd.

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PRODUCT SPECIFICATIONS

5RxUM-xxx

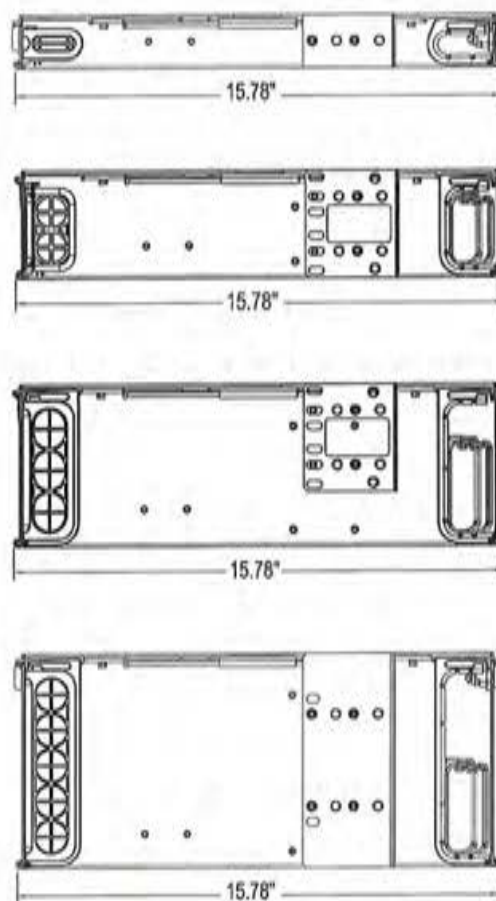
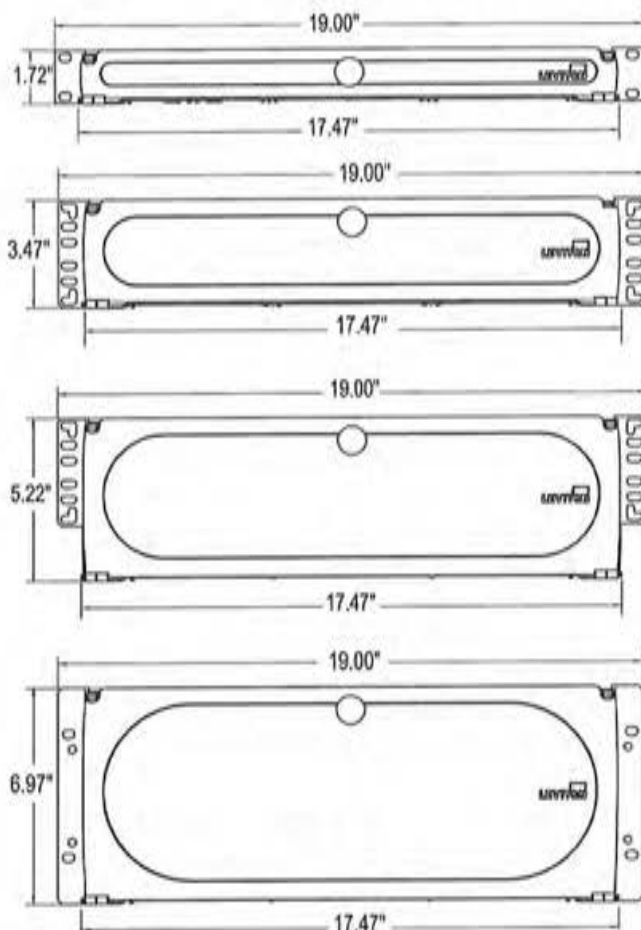


WARRANTY INFORMATION

For warranty information, go to leviton.com or call 800.722.2072.

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG, Visio), visit www.leviton.com.



5RxUM-xxx

DENSITY

Rack Unit	Fibers	Adapter Plate or MTP Cassette	Splice trays
1RU	72	Up to 3	Up to 3
2RU	144	Up to 6	Up to 6
3RU	216	Up to 9 (horizontal adapter plate/module orientation)	Up to 12
3RU (non-standard)	288	Up to 12 (vertical adapter plate/module orientation)	Up to 12
4RU	288	Up to 12 (vertical adapter plate/module orientation)	Up to 12
4RU (non-standard)	360	Up to 15 (horizontal adapter plate/module orientation)	Up to 12

Page 2 of 3

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PRODUCT SPECIFICATIONS

5RxUM-xxx

LEVITON

DENSITY USING RETRO-FIT SLIDING TRAY

Rack Unit	Fibers	Adapter Plate or MTP Cassette (HDX)
1RU	96	Up to 8
2RU	192	Up to 16

Make-to-Order! Opt-X 1000i Rack-Mount Enclosure Options

ENCLOSURE STYLE	ADAPTER PLATES OR MTP® CASSETTE SELECTION	NUMBER OF ADAPTER PLATES	FIBER TYPE	ADAPTER TYPE & PIGTAIL SELECTION	SPLICE TRAY STYLE	NO. OF SPLICE TRAYS	SECURITY OPTIONS	CABLE CLAMP KIT	MOUNTING EAR POSITION
1RU Opt-X 2RU Opt-X 1RU or 2RU Opt-X w/ tray 3RU or 4RU Opt-X w/ horizontal adapter plates 3RU or 4RU Opt-X w/ vertical adapter plates	6 fibers (SC, ST) 8 fibers (SC, ST) 12 fibers (LC, SC, ST only) 16 fibers (LC only) 24 fibers (LC only) - MTP - 12 fibers (LC, SC, ST) - MTP - 24 fibers (LC only)	• 1-15	- OM1 - OM2 - OM3 - OM4 - OM4+ - OS2	- LC - LC + pigtail - SC - SC/APC - SC + pigtail - SC/APC + pigtail - ST - ST + pigtail	- Heatshrink, foam holders, up to 12 fibers (molded tray) - Heatshrink, plastic holders, up to 12 fibers (molded tray) - Bare fusion, plastic holders, up to 12 fibers (metal tray) - Heatshrink, plastic holders, up to 24 fibers (molded tray) - None	1-12 - None	- Locking front door - Locking rear door - Both doors - None	- Yes - No	• 19" or 23"

For assistance customizing your enclosures, please visit leviton.com/configurator or call Tech Support at 800.824.3005.

OPT-X® 1000i RACK-MOUNT ENCLOSURES

DESCRIPTION	PART NO.
Opt-X 1000i, 1RU Enclosure, Empty	5R1UM-F03
Opt-X 1000i, 1RU Enclosure, Empty, with sliding tray	5R1UM-S03
Opt-X 1000i, 2RU Enclosure, Empty	5R2UM-F06
Opt-X 1000i, 2RU Enclosure, Empty, with sliding tray	5R2UM-S06
Opt-X 1000i, 3RU Enclosure, Empty Opt-X	5R3UM-F09
Opt-X 1000i, 3RU Enclosure, Empty Opt-X 1000i,	5R3UM-F12
4RU Enclosure, Empty	5R4UM-F12
Opt-X 1000i, 4RU Enclosure, Empty	5R4UM-F15

Enclosure includes an accessory kit which consists of cable ties, mounting screws, ID label, and spiral wrap (for cable protection on units with sliding tray)

ACCESSORIES

DESCRIPTION	PART NO.
Retrofit Sliding Tray, 2U (for use with HDX Cassettes/Plates)	5R2UR-TRY
Retrofit Sliding Tray, 1U (for use with HDX Cassettes/Plates)	5R1UR-TRY
Universal Opt-X Clamp Kit (for enclosure mounting)	5RCMP-KIT
Universal Opt-X Clamp Kit (for rack post mounting)	5RCMR-KIT
Fiber Cable Management ¼ Ring Kit (Bag of four ¼ rings)	5R100-14R*
1RU Enclosure 23" Rack and Cabinet Mounting Bracket	5R1RU-023
Lock and Key	5L000-KAL

* Not for use in Retrofit Sliding Tray



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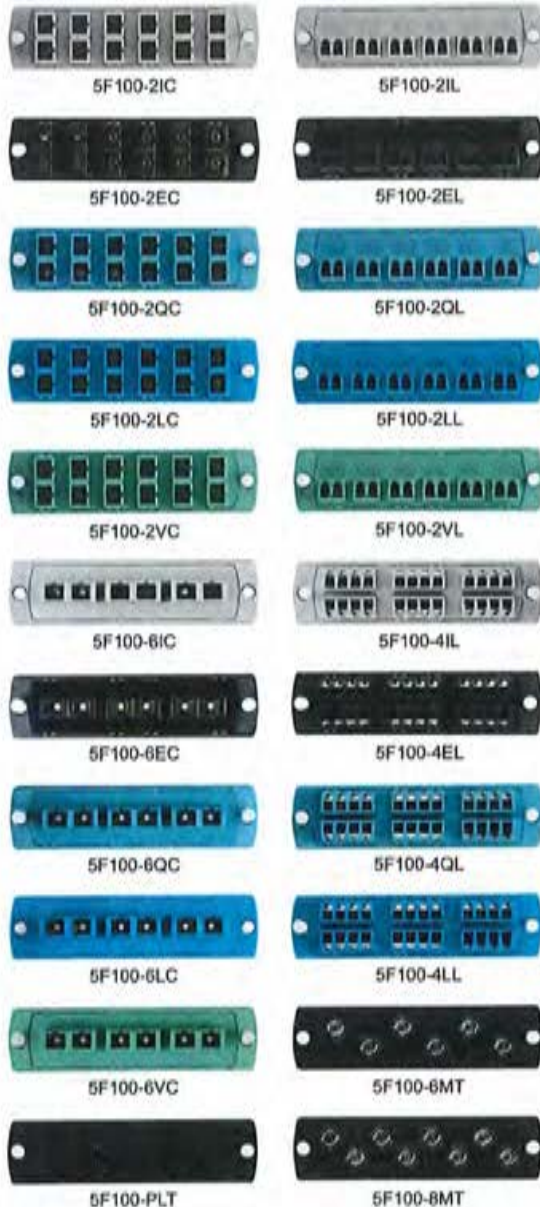
C15 5431

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Opt-X® SDX Fiber Adapter Plates — Precision Molded

APPLICATION

Leviton SDX fiber adapter plates are used in conjunction with SDX panels or enclosures (rack- or wall-mount) to provide a means to connect backbone to backbone or backbone to horizontal fiber cabling. The SDX fiber adapter plates are offered in LC, SC, and ST versions.



SPECIFICATION

The SDX adapter plate shall be modular and functional for use in an SDX panel or enclosure (rack- or wall-mount). The adapter plate shall be offered in LC, SC, and ST styles in 6, 12, or 24 fiber configurations. The adapter plate shall be compliant to ANSI/TIA-568-C.3 (for performance) and respective ANSI/TIA-604-X (for intermateability) standards. Adapter plates shall use zirconia ceramic sleeves and be offered in standard fiber type colors pursuant to ANSI/TIA-568-C.3 standards. The adapter and plate shall be integrated to eliminate "rattle" and loose fit. Adapter plates shall be made in the United States of America.

FEATURES

- Integrated LC and SC plates (two pieces) eliminates rattling and loose fit
- Adapter plates use zirconia ceramic sleeves for optimal performance in 1 Gbps and higher transmission speeds
- LC and SC plates offered in standard fiber type colors
- Adapter plates offered in LC, SC, ST, and blank styles
- Captive push-lock pins allow for quick tool-less installation
- Compatible with all SDX panels and enclosures (rack- or wall-mount)

DESIGN CONSIDERATIONS

- Arrange adapter plates within panel or enclosure to allow for future growth
- Colored plate or fiber adapters will identify fiber type used
- Visible sequential numbering to identify ports (for Tx & Rx)
- 4RU rack-mount enclosure accommodates up to 15 adapter plates for highest density per RU
- Zirconia ceramic sleeve typically used on laser optimized multimode and single-mode applications (OM3, OM4, OM4+, OS2)

STANDARDS COMPLIANCE

- Meets ANSI/TIA-568-C.3 for performance requirements
- Meets ANSI/TIA-604-2B (ST), -3B (SC), -10B (LC) for connector intermateability

PHYSICAL SPECIFICATIONS

Materials: Adapter plate: constructed of engineered polymer, various pantone colors

COUNTRY OF ORIGIN

USA

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

5F100-xxx (precision molded)

Opt-X® SDX Wall-Mount Enclosures

Small, Medium, and Large

APPLICATION

SDX Wall-Mount Enclosures are ideal for fiber applications requiring patching, cross-connect, and/or splicing of single-mode or multimode fibers while utilizing a minimum of space.



SPECIFICATION

The enclosure shall mount on a wall in an 8"x13", 12"x14", or 17"x15" footprint. Adapters shall be mounted in metal mounting plates and attached to the enclosure using plastic plungers. There shall be cable entrance ports in the top and bottom of the patch panel on both the distribution and patch sides. Cable entrance ports are designed with a strain-relief post with a slot capable of holding a tie wrap. The enclosure shall provide strain relief in the form of a grounding lug and multiple tie wrap points. The enclosure shall have a plastic fiber management ring made of high impact UL 94V-0 rated fire-retardant plastic. This ring shall be stackable and adjustable. A port identification label/card shall be provided. The enclosure shall be made of 16-gauge steel powder-coated black.

FEATURES

- Self-healing grommet material at all cable entry and exit points
- Stackable and adjustable fiber management rings included
- Large enclosure includes eight plastic blank adapter plates to inexpensively fill up any unused areas — an economical and attractive way to leave room for expanding the enclosure

DESIGN CONSIDERATIONS

- Enclosures are sold empty; order loaded SDX adapter plates separately
- Specify the type of adapter plates to be installed in enclosure
- Specify if splicing is to be used, and if so, what type
- Recommend that enclosures be arranged to allow future growth
- Designation stickers allow identification of port assignments
- Enclosures are capable of storing up to three meters of 900 micron tight-buffered fiber per adapter
- Door options: solid or split-hinged metal
- Specify if a lock is required on the distribution side, patch side, or both
- Includes hardware kit with hook and loop ties, screws, a caution label, and cable ties

STANDARDS COMPLIANCE

Meets all applicable standards: UL Listed; meets or exceeds all ANSI/TIA-568-C requirements

PHYSICAL SPECIFICATIONS

Dimensions:

- See page two

Materials

- Enclosures: 16-gauge steel, powder-coated black, white logo
- Fiber Management Rings: Self-extinguishing plastic rated UL 94V-0
- Grommet material: Ensolute™

Enclosures accept all SDX adapter plates. See chart for number of fibers in various configurations.

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.X

FIBER DENSITY CHART — SDX WALL-MOUNT ENCLOSURES

	6-pack ST	8-pack ST	3-pack Duplex SC	6-pack Duplex SC	6-pack Duplex LC	6-pack Quad LC
Small Holds up to 2 SDX adapter plates	Up to 12 fibers	Up to 16 fibers	Up to 12 fibers	Up to 24 fibers	Up to 24 fibers	Up to 48 fibers
Medium Holds up to 4 SDX adapter plates	Up to 24 fibers	Up to 32 fibers	Up to 24 fibers	Up to 48 fibers	Up to 48 fibers	Up to 96 fibers
Large Holds up to 12 SDX adapter plates	Up to 72 fibers	Up to 96 fibers	Up to 72 fibers	Up to 144 fibers	Up to 144 fibers	Up to 288 fibers

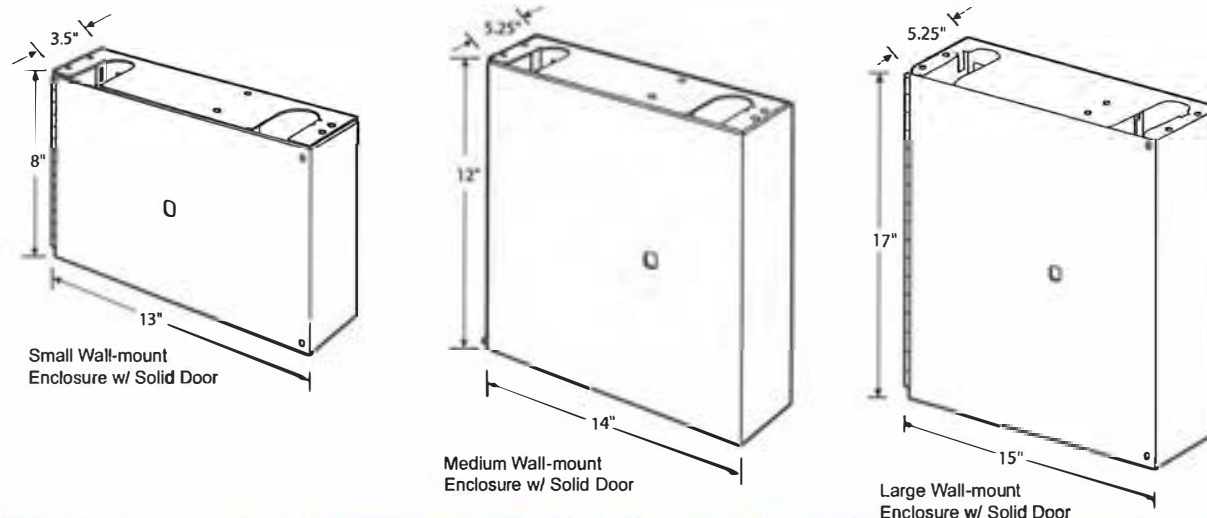
COMPONENT SPECIFICATIONS

5Wxxx-00N

LEVITON

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



5Wxxx-00N

Splice Tray Capacity Chart	Heat Shrink (Plastic Holders)	Heat Shrink (Foam Holders)	Bare Fusion	Small	Medium	Large
Metal Splice Tray (0.25" Height)						
12-Fiber Mini, 4" x 7"	T47HS-P06		T47BF-P06	0	6	6
12-Fiber Mini, w/ standoff, 4" x 7"	5T000-00T			0	3	3
12-Fiber Standard, 4" x 11.75"	T4LHS-P06	T4LHS-F06	T4LBF-P06	0	0	6
24-Fiber High-density, 4" x 11.75"	T4LHS-P12	T4LHS-F12	T4LBF-P12	0	0	6
12-Fiber Standard, 5" x 11.75"	T5LHS-P06	T5LHS-F06	T5LBF-P06	0	0	6
24-Fiber High-density, 5" x 11.75"	T5LHS-F12	T5LHS-F12	T5LBF-P12	0	0	6
Injection Molded Splice Tray (Mini - 0.39" Height, High-Density - 0.43" Height)						
12-Fiber Mini, 3.74" x 5.59"	T5PLS-12F			0	6	6
24-Fiber High-density, 4.5" x 7.63"	T5PLS-24F			0	6	6

Splice tray mounting hardware not included except on 5T000-00T.

OPT-X SDX WALL-MOUNT ENCLOSURES

Description	Part No.
Small, empty with solid metal door, no lock	5W110-00N
Small, empty with split metal door, with one lock/key	5W120-00N
Small, empty with solid metal door, with one lock/key	5W170-00N
Medium, empty with solid metal door, no lock	5W310-00N
Medium, empty with split metal door, with one lock/key	5W320-00N
Medium, empty with solid metal door, with one lock/key	5W370-00N
Large, empty with solid metal door, no lock	5W710-00N
Large, empty with split metal door, with one lock/key	5W720-00N
Large, empty with solid metal door, with one lock/key	5W770-00N

ACCESSORIES

Description	Part No.
Lock and key	5L000-L0K
Additional fiber rings (package of 2)	5R100-0FR
Splice tray mounting hardware kit	SPLMT-HKT



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PRODUCT SPECIFICATIONS

5F100-xxx (precision molded)



ELECTRONIC FILES

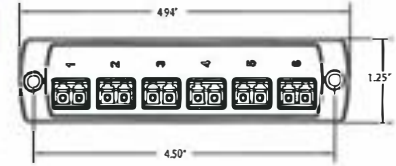
For CAD files, typical specs, or dimensional line art (.DXF, .DWG, Visio), visit www.leviton.com.

SDX FIBER ADAPTER PLATES

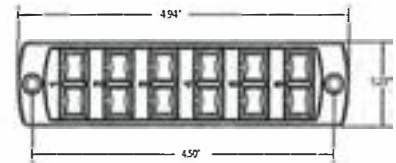
Description

Part No.

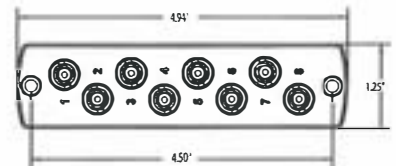
Plate (beige), 62.5 µm MM (OM1), Duplex LC, 12-fiber, zirconia ceramic sleeve	5F100-2IL
Plate (black), 50 µm MM (OM2), Duplex LC, 12-fiber, zirconia ceramic sleeve	5F100-2EL
Plate (aqua), 50 µm LOMM (OM3 & OM4), Duplex LC, 12-fiber, zirconia ceramic sleeve	5F100-2QL
Plate (violet), 50 µm LOMM (OM4+), Duplex LC, 12-fiber, zirconia ceramic sleeve	5F100-2PL
Plate (blue), SM (OS1 & OS2), Duplex LC, 12-fiber, zirconia ceramic sleeve	5F100-2LL
Plate (green), SM/APC (OS2), Duplex LC, 12-fiber, zirconia ceramic sleeve	5F100-2VL
Plate (beige), 62.5 µm MM (OM1), Quad LC, 24-fiber, zirconia ceramic sleeve	5F100-4IL
Plate (black), 50 µm MM (OM2), Quad LC, 24-fiber, zirconia ceramic sleeve	5F100-4EL
Plate (aqua), 50 µm LOMM (OM3 & OM4), Quad LC, 24-fiber, zirconia ceramic sleeve	5F100-4QL
Plate (violet), 50 µm LOMM (OM4+), Quad LC, 24-fiber, zirconia ceramic sleeve	5F100-4PL
Plate (blue), SM (OS1 & OS2), Quad LC, 24-fiber, zirconia ceramic sleeve	5F100-4LL
Plates (beige), 62.5 µm MM (OM1), Duplex SC, 6-fiber, zirconia ceramic sleeve	5F100-6IC
Plates (black), 50 µm MM (OM2), Duplex SC, 6-fiber, zirconia ceramic sleeve	5F100-6EC
Plates (aqua), 50 µm MM (OM3 & OM4), Duplex SC, 6-fiber, zirconia ceramic sleeve	5F100-6QC
Plates (blue), SM (OS1 & OS2), Duplex SC, 6-fiber, zirconia ceramic sleeve	5F100-6LC
Plates (green), SM/APC (OS2), Duplex SC, 6-fiber, zirconia ceramic sleeve	5F100-6VC
Plate (beige), 62.5 µm MM (OM1), Duplex SC, 12-fiber, zirconia ceramic sleeve	5F100-2IC
Plate (black), 50 µm MM (OM2), Duplex SC, 12-fiber, zirconia ceramic sleeve	5F100-2EC
Plate (aqua), 50 µm LOMM (OM3 & OM4), Duplex SC, 12-fiber, zirconia ceramic sleeve	5F100-2QC
Plate (blue), SM (OS1 & OS2), Duplex SC, 12-fiber, zirconia ceramic sleeve	5F100-2LC
Plate (green), SM/APC (OS2), Duplex SC, 12-fiber, zirconia ceramic sleeve	5F100-2VC
Plate (black), ST MM/SM, 6-fiber, zirconia ceramic sleeve	5F100-6MT
Plate (black), ST MM/SM, 8-fiber, zirconia ceramic sleeve	5F100-8MT
Plate (black), Blank	5F100-PLT



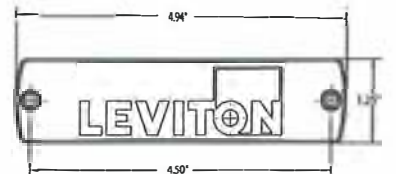
LC style



SC style



ST style



Blank style

5F100-xxx (precision molded)



Closet Connector Housing Panels (CCH-CP)

A LANscape®
Solutions Product

features and benefits |

Universal design approach	One-size-fits-all LANscape® Solutions housings
Broadest range of fiber count and adapter types	Solutions for all needs
Colored icon labeling	Easy connector identification

Corning Cable Systems Closet Connector Housing Panels (CCH-CP) are offered in a variety of fiber counts for use with LANscape® Solutions hardware products for a “one-size-fits-all” approach. Used with factory-installed or field-installable connectors, these panels provide interconnect or cross-connect capability in a housing at main cross-connections, intermediate cross-connections, telecommunication rooms or work areas. Available with a variety of industry-standard adapter types, the CCH-CP provides an efficient way to securely mate two connectors and offers multimode and single-mode applications in 6-, 8-, 12-, 16- and 24-fiber count options, plus 36-, 72-, 96- and 144-fiber count options with MTP® Connector adapters.



Closet Connector Housing Panels (CCH-CP)

A LANscape®
Solutions Product

ordering information |

CCH - CP -

|1

|2

|1

Select fiber count.

06 = 6 fibers
08 = 8 fibers
12 = 12 fibers
16 = 16 fibers
24 = 24 fibers
36 = 36 fibers
72 = 72 fibers
96 = 96 fibers
E4 = 144 fibers

See Note 1.

|2

Select adapter code
(see Adapter/Connector
Code Options table on
following page).

Note:
1) Fiber count for desired adapter
is available in table on following
page.

Part Number Example

Part Number	Description
CCH-CP12-A9	Closet Connector Housing Pigtail Panel with 6 LC duplex single-mode adapters

Closet Connector Housing Panels (CCH-CP)

A LANscape®
Solutions Product

adapter/connector code options |

Adapter Code	Fiber Type	Alignment	Housing	Fiber/ Adapter	Available Fiber/Panel Counts									
					6	8	12	16	24	36	72	96	144	
LC Duplex														
A8	62.5 µm multimode (OM1)	Ceramic	Composite	2		X	X	X	X	X				
D3	50 µm multimode (OM2)	Ceramic	Composite	2		X	X	X	X	X				
E4	50 µm multimode (OM3/4)	Ceramic	Composite	2		X	X	X	X	X				
A9	Single-mode, UPC (OS2)	Ceramic	Composite	2		X	X	X	X	X				
B3	Single-mode, APC (OS2)	Ceramic	Composite	2		X	X	X	X	X				
SC Duplex														
91	62.5 µm multimode (OM1)	Metal	Composite	2		X	X	X						
G7	50 µm multimode (OM2)	Ceramic	Composite	2		X	X	X						
E7	50 µm multimode (OM3/4)	Ceramic	Composite	2		X	X	X						
59	Single-mode, UPC (OS2)	Ceramic	Composite	2		X	X	X						
D9	Single-mode, APC (OS2)	Ceramic	Composite	2		X	X	X						
SC														
56	62.5 µm multimode (OM1)	Metal	Composite	1		X	X	X						
G6	50 µm multimode (OM2)	Ceramic	Composite	1		X	X	X						
E6	50 µm multimode (OM3/4)	Ceramic	Composite	1		X	X	X						
3C	Single-mode, UPC (OS2)	Ceramic	Composite	1		X	X	X						
6C	Single-mode, APC (OS2)	Ceramic	Composite	1		X	X	X						
ST® Compatible Connector														
15T	62.5 µm multimode (OM1)	Ceramic	Metal	1		X	X	X						
G5	50 µm multimode (OM2)	Ceramic	Metal	1		X	X	X						
H3	50 µm multimode (OM3/4)	Ceramic	Metal	1		X	X	X						
19T	Single-mode, UPC (OS2)	Ceramic	Metal	1		X	X	X						
FC														
11	Single-mode, UPC (OS2)	Metal	Metal	1		X	X	X						
21	Single-mode, APC (OS2)	Metal	Metal	1		X	X	X						
MT-RJ														
97	62.5 µm multimode (OM1)	N/A	Composite	2			X	X	X	X				
G1	50 µm multimode (OM2)	N/A	Composite	2			X	X	X	X				
E1	50 µm multimode (OM3/4)	N/A	Composite	2			X	X	X	X				
98	Single-mode, UPC (OS2)	N/A	Composite	2			X	X	X	X				
MTP® Connector														
69	62.5 µm multimode (OM1)	N/A	Composite	12							X	X	X	X
G3	50 µm multimode (OM2)	N/A	Composite	12							X	X	X	X
E3	50 µm multimode (OM3/4)	N/A	Composite	12							X	X	X	X
90	Single-mode (OS2)	N/A	Composite	12							X	X	X	X
Fiber Type		Housing Color, Simplex and Duplex				Housing Color, MTP								
62.5 µm multimode (OM1)		Beige				Black								
50 µm multimode (OM2)		Black				Black								
50 µm multimode (OM3/4)		Aqua				Aqua								
Single-mode, UPC (OS2)		Blue				Black								
Single-mode, APC (OS2)		Green				Black								

Closet Connector Housing Panels (CCH-CP)

A LANscape®
Solutions Product

ordering information | (continued)

Colored Icons (pack of 50)

ICN - ☐ ☐ ☐
|1

|1

Select icon.

Blank Icons



YLB = Blank (Yellow)
RDB = Blank (Red)
GRB = Blank (Green)
BLB = Blank (Blue)
WTB = Blank (White)
BGB = Blank (Beige)
ORB = Blank (Orange)

Etched Icons



BLP = Phone (Blue)



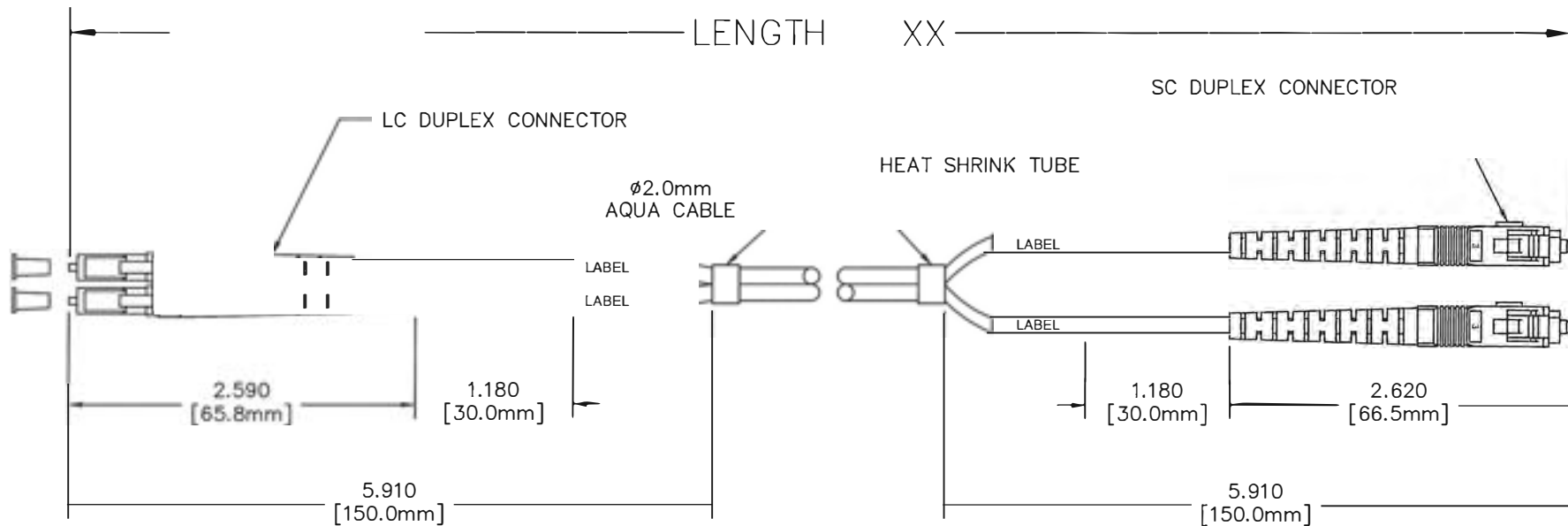
RDC = Computer (Red)



GRT = Cable TV (Green)

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/cablesystems

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LAN-133-EN / February 2012



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	125
INSERTION LOSS	dB	≤ 0.2
RETURN LOSS	dB	≤ 50
DURABILITY (500 TIMES)	dB	≤ 0.3
OPERATING TEMPERATURE	°C	-40 ~ + 85
STORAGE TEMPERATURE	°C	-40 ~ + 85
TYPICAL CABLE OD	mm	Ø 2.0

XX = LENGTH (METERS)

01 - 1 METER	08 - 8 METER
02 - 2 METER	09 - 9 METER
03 - 3 METER	10 - 10 METER
04 - 4 METER	15 - 15 METER
05 - 5 METER	20 - 20 METER
06 - 6 METER	25 - 25 METER
07 - 7 METER	30 - 30 METER

FEATURES:

1. SC CONNECTORS ARE COMPLIANT IEC 60874-14; F04 (JIS C5973); TIA/EIA-604-3A.
2. LC CONNECTORS ARE COMPLIANT TIA/EIA-640-10; LUCENT: 640-252-256.
3. PRODUCT QUALITY COMPLY WITH GR-326-CORE.

NOTES:

DIMENSIONS IN INCHES [mm]



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30 TV5 DRIVE, HENDERSON, NEVADA 89014

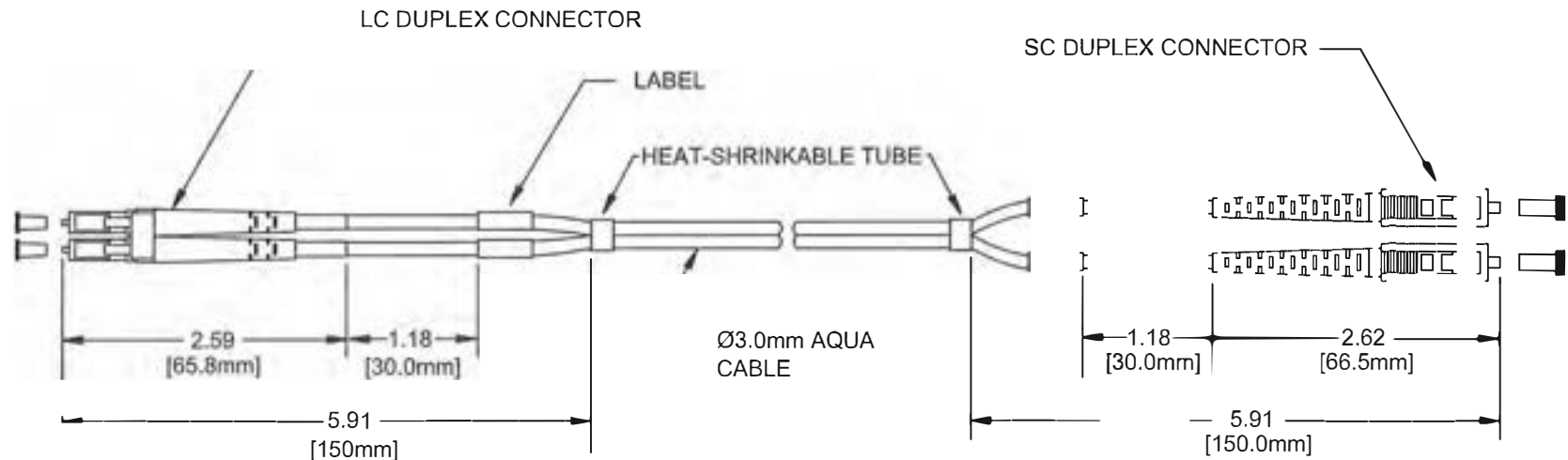
ALLEN TEL PRODUCTS, INC.

GBLCC-D1-~~XX~~-02

LC TO SC DUPLEX

SINGLEMODE 9/125 YELLOW JACKET

NOTE:
DIMENSIONS IN INCHES [mm]



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	127
INSERTION LOSS	dB	<0.3
DURABILITY (500 TIMES)	dB	<0.3
OPERATING TEMPERATURE	°C	-40~+85
STORAGE TEMPERATURE	°C	-40~+85
TYPICAL CABLE OD	mm	Ø3.0

FEATURES

- * SC CONNECTORS ARE COMPLIANT IEC 60874-14; F04 (JIS C5973); TIA/EIA-604-3A
- * LC CONNECTORS ARE COMPLIANT TIA/EIA-640-10; LUCENT: 640-252-256
- * PRODUCT QUALITY COMPLY WITH GR-326-CORE

—] PART#: GBLCC-D4- XX 02

LENGTH (METERS)

01, 02, 03, 04, 05, 06, 07,
08, 09, 10, 15, 20, 25, 30

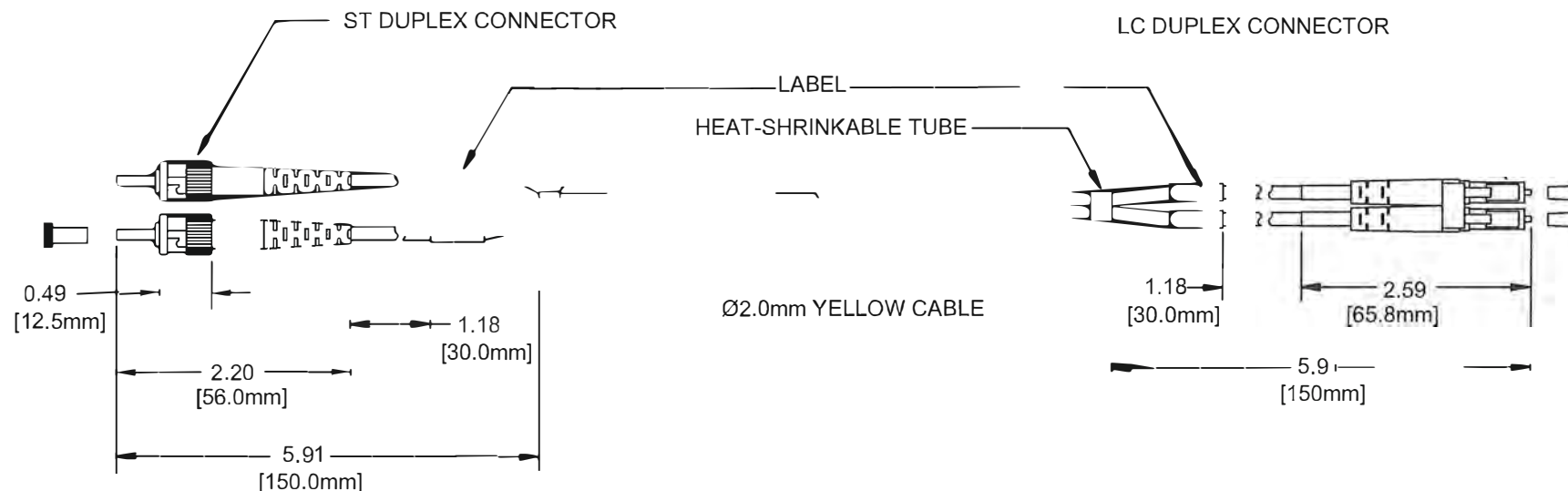


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GBLCC-D4-XX 10Gb LC TO SC DUPLEX
MULTIMODE 50/125 OM3 (AQUA JACKET)

NOTE:

DIMENSIONS IN INCHES [mm]



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	125
INSERTION LOSS	dB	<0.2
RETURN LOSS	dB	>50
DURABILITY (500 TIMES)	dB	<0.3
OPERATING TEMPERATURE	°C	-40~+85
STORAGE TEMPERATURE	°C	-40~+85
TYPICAL CABLE OD	mm	Ø2.0

FEATURES

- * ST CONNECTORS ARE COMPLIANT IEC 60874-10; TIA/EIA-604-2A
- * LC CONNECTORS ARE COMPLIANT TIA/EIA-640-10; LUCENT: 640-252-256
- * PRODUCT QUALITY COMPLY WITH GR-326-CORE

PART#: GBLCT-D1-XX-02

LENGTH METERS

01, 03, 04, 05, 06, 07,
08, 09, 10, 15, 20, 25, 30

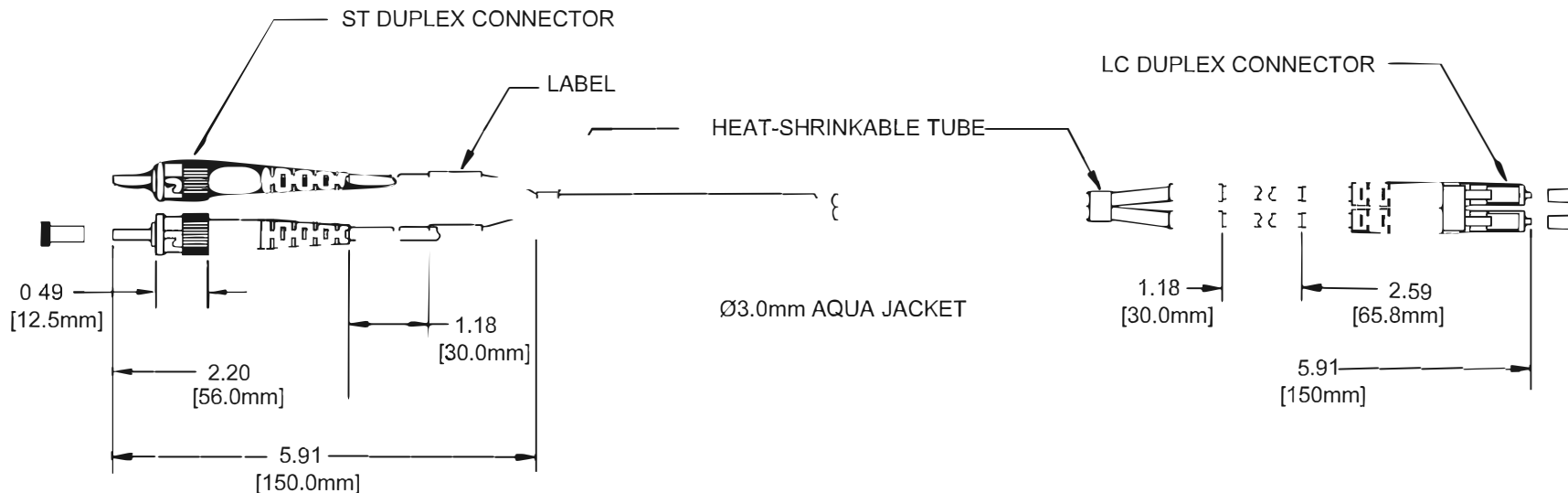


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GBLCT-D1-XX LC TO ST DUPLEX
SINGLEMODE 9/125 (YELLOW JACKET)

NOTE:
 DIMENSIONS IN INCHES [mm]



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	127
INSERTION LOSS	dB	<0.3
DURABILITY (500 TIMES)	dB	<0.3
OPERATING TEMPERATURE	°C	-40~+85
STORAGE TEMPERATURE	°C	-40~+85
TYPICAL CABLE OD	mm	Ø3.0

FEATURES

- * ST CONNECTORS ARE COMPLIANT IEC 60874-10; F04 (JIS C5973); TIA/EIA-604-2A
- * LC CONNECTORS ARE COMPLIANT TIA/EIA-640-10; LUCENT: 640-252-256
- * PRODUCT QUALITY COMPLY WITH GR-326-CORE

PART#: GBLCT-D4-~~XX~~ 02

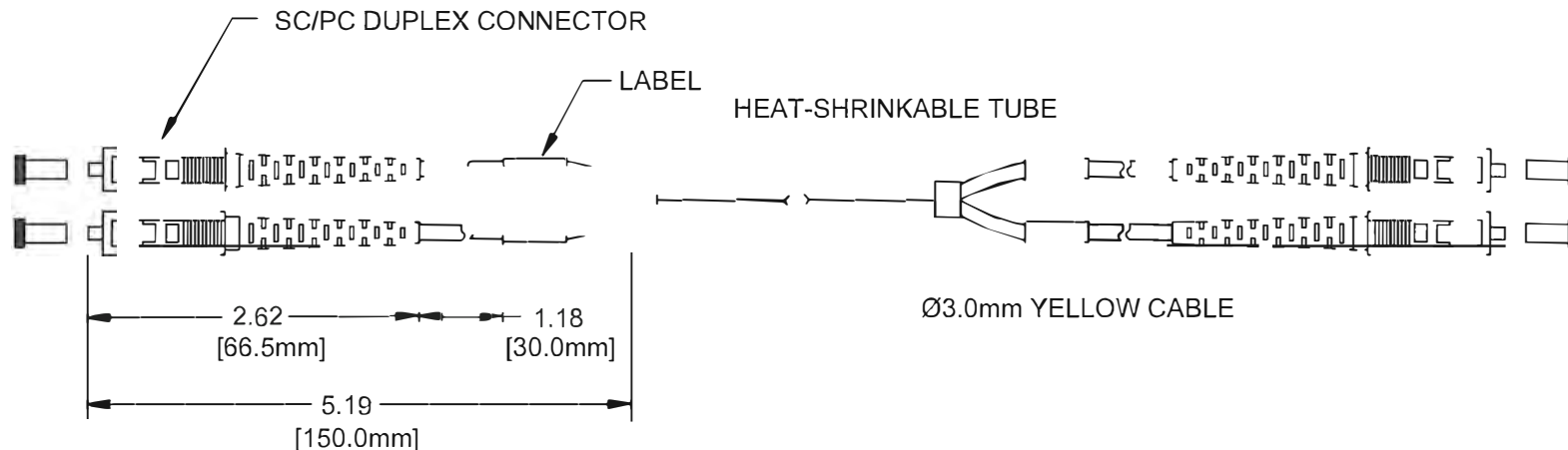
LENGTH (METERS)

01, 02, 03, 04, 05, 06, 07,
 08, 09, 10, 15, 20, 25, 30



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**GBLCT-D4-XX 10Gb LC TO ST DUPLEX
 MULTIMODE 50/125 OM3 (AQUA JACKET)**



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	125
INSERTION LOSS	dB	≤0.2
RETURN LOSS	dB	≥50
DURABILITY (500 TIMES)	dB	≤0.3
OPERATING TEMPERATURE	°C	-40~+85
STORAGE TEMPERATURE	°C	-40~+85
TYPICAL CABLE OD	mm	Ø3.0

FEATURES

- * SC CONNECTORS ARE COMPLIANT IEC 60874-14; F04 (JIS C5973); TIA/EIA-604-3A
- * PRODUCT QUALITY COMPLY WITH GR-326-CORE

—] PART#: GBSC2-D1- XX 02

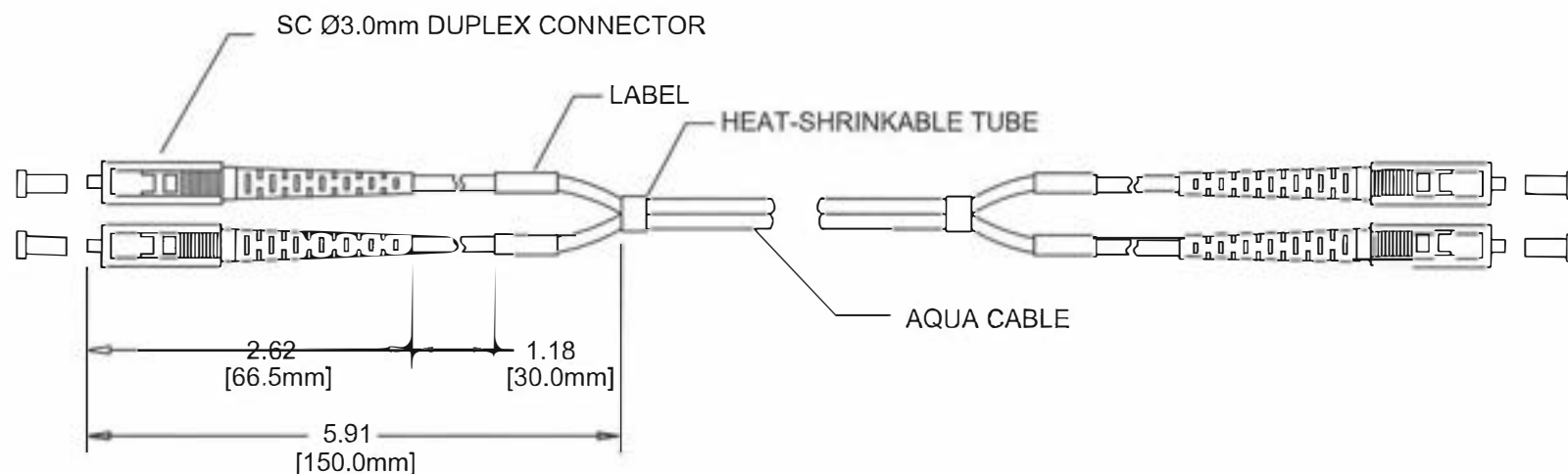
LENGTH (METERS)

01, 02, 03, 04, 05, 06, 07,
08, 09, 10, 15, 20, 25, 30



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**GBSC2-D1-XX SC TO SC DUPLEX
SINGLEMODE 9/125 (YELLOW JACKET)**



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	127
INSERTION LOSS	dB	<0.3
DURABILITY (500 TIMES)	dB	<0.3
OPERATING TEMPERATURE	°C	-40~+85
STORAGE TEMPERATURE	°C	-40~+85
TYPICAL CABLE OD	mm	Ø3.0

FEATURES

- * SC CONNECTORS ARE COMPLIANT IEC 60874-14; F04 (JIS C5973); TIA/EIA-604-3A
- * PRODUCT QUALITY COMPLY WITH GR-326-CORE

PART#: GBSC2-D4-~~XX~~ 02

LENGTH (METERS)

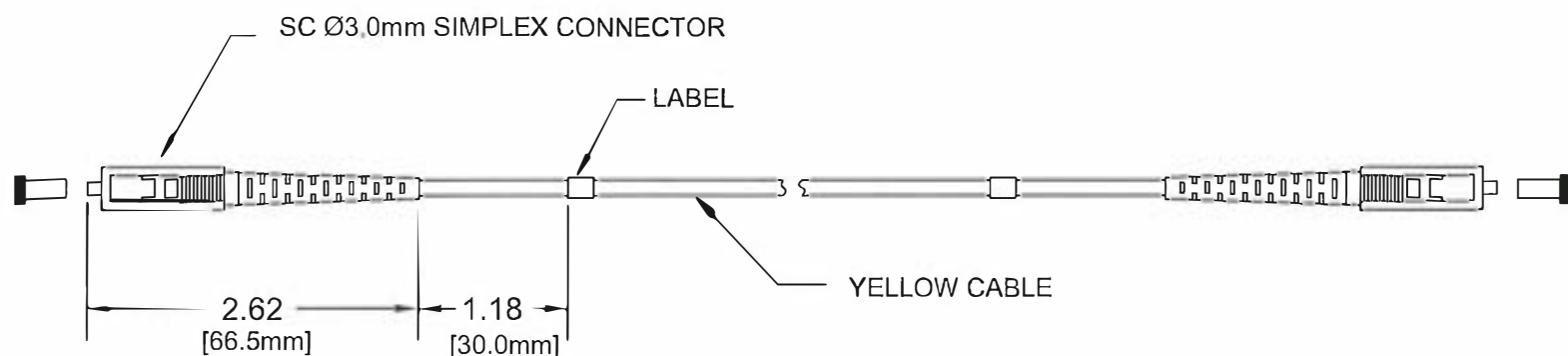
01, 02, 03, 04, 05, 06, 07,
08, 09, 10, 15, 20, 25, 30



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GBSC2-D4-~~XX~~⁰² 10Gb SC TO SC DUPLEX
MULTIMODE 50/125 OM3 (AQUA JACKET)



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	125
INSERTION LOSS	dB	<0.2
RETURN LOSS	dB	>50
DURABILITY (500 TIMES)	dB	<0.3
OPERATING TEMPERATURE	°C	-40~+85
STORAGE TEMPERATURE	°C	-40~+85
TYPICAL CABLE OD	mm	Ø3.0

FEATURES

- * SC CONNECTORS ARE COMPLIANT IEC 60874-14; F04 (JIS C5973); TIA/EIA-604-3A
- * PRODUCT QUALITY COMPLY WITH GR-326-CORE



PART#: GBSC2-S1-XX 02

LENGTH (METERS)

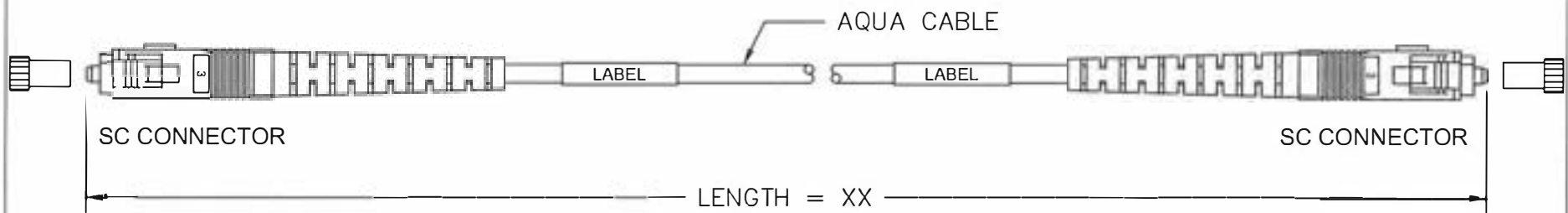
01, 02, 03, 04, 05, 06, 07,
08, 09, 10, 15, 20, 25, 30



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**GBSC2-S1-XX SC TO SC SIMPLEX
SINGLEMODE 9/125 (YELLOW JACKET)**



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	127
INSERTION LOSS	dB	≤ 0.2
DURABILITY (500 TIMES)	dB	≤ 0.2
OPERATING TEMPERATURE	°C	-40 ~ + 85
STORAGE TEMPERATURE	°C	-40 ~ + 85
TYPICAL CABLE OD	mm	Ø 2.0

XX = LENGTH (METERS)

01 - 1 METER	08 - 8 METER
02 - 2 METER	09 - 9 METER
03 - 3 METER	10 - 10 METER
04 - 4 METER	15 - 15 METER
05 - 5 METER	20 - 20 METER
06 - 6 METER	25 - 25 METER
07 - 7 METER	30 - 30 METER

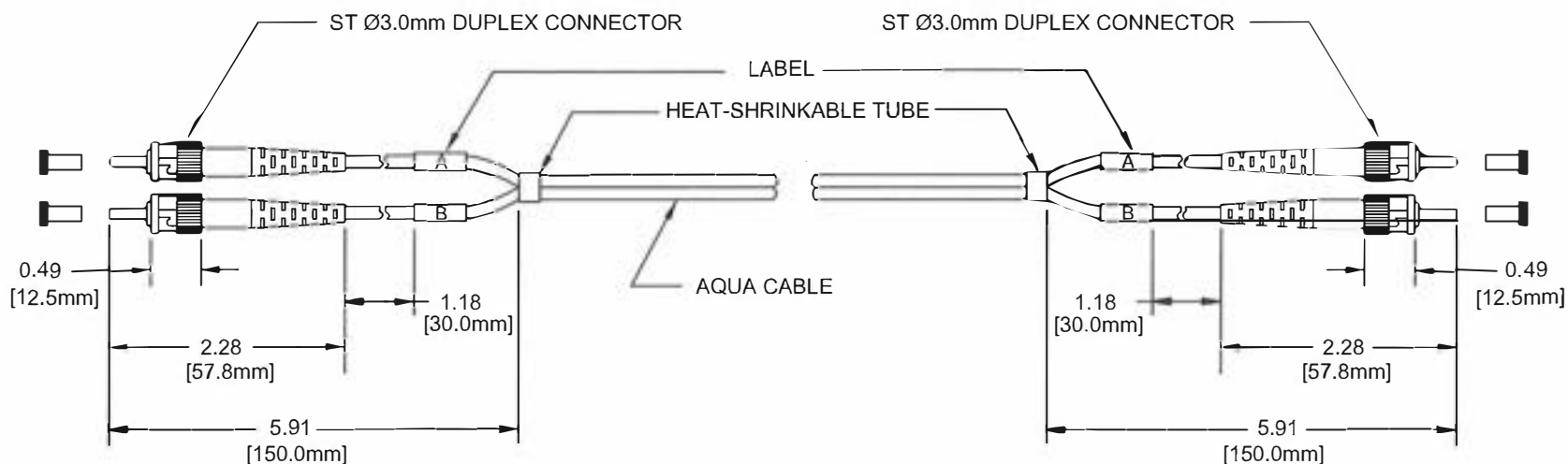
FEATURES:

1. SC CONNECTORS ARE COMPLIANT IEC 60874-14; F04 (JIS C5973); TIA/EIA-604-3A.
2. PRODUCT QUALITY COMPLY WITH GR-326-CORE.
3. RoHS COMPLIANCE.



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30 TV5 DRIVE, HENDERSON, NEVADA 89014

02
GBSC2-S4-XX 10Gb SC TO SC SIMPLEX
MULTIMODE 50/125 OM3 (AQUA JACKET)



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	127
INSERTION LOSS	dB	<0.3
DURABILITY (500 TIMES)	dB	<0.3
OPERATING TEMPERATURE	°C	-40~+85
STORAGE TEMPERATURE	°C	-40~+85
TYPICAL CABLE OD	mm	Ø3.0

FEATURES

- * ST CONNECTORS ARE COMPLIANT IEC 60874-10; TIA/EIA-604-2
- * PRODUCT QUALITY COMPLY WITH GR-326-CORE
- * RoHS COMPLIANCE

PART#: GBST2-D4-~~XX~~ 02

LENGTH (METERS)

01, 02, 03, 04, 05, 06, 07,
08, 09, 10, 15, 20, 25, 30

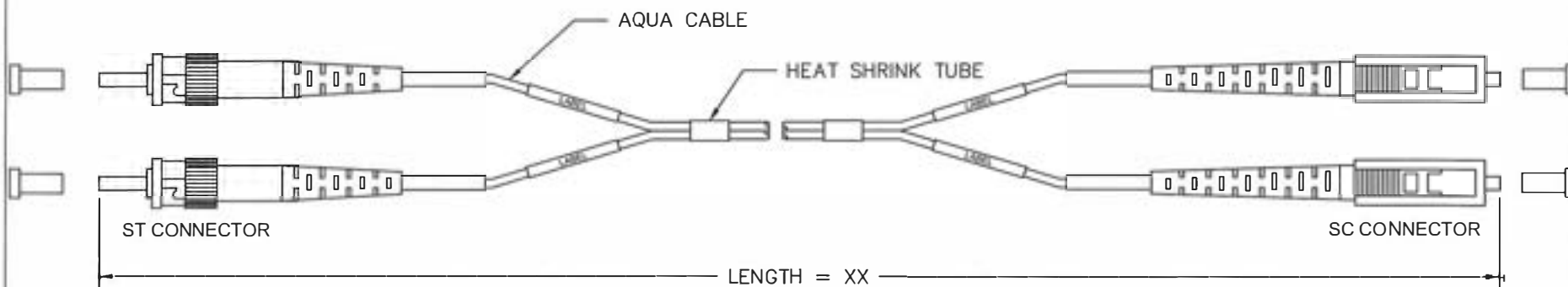


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**GBST2-D4-XX 10GB ST TO ST DUPLEX
MULTIMODE 50/125 (AQUA JACKET)**





SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	127
INSERTION LOSS	dB	≤ 0.2
DURABILITY (500 TIMES)	dB	≤ 0.2
OPERATING TEMPERATURE	°C	-40 ~ + 85
STORAGE TEMPERATURE	°C	-40 ~ + 85
TYPICAL CABLE OD	mm	Ø2.0

XX = LENGTH (METERS)

01 - 1 METER	08 - 8 METER
02 - 2 METER	09 - 9 METER
03 - 3 METER	10 - 10 METER
04 - 4 METER	15 - 15 METER
05 - 5 METER	20 - 20 METER
06 - 6 METER	25 - 25 METER
07 - 7 METER	30 - 30 METER

FEATURES:

1. ST CONNECTORS ARE COMPLIANT IEC 60874-14; F04 (JIS C5973); TIA/EIA-604-3A.
2. SC CONNECTORS ARE COMPLIANT IEC 60874-14; F04 (JIS C5973); TIA/EIA-604-3A.
3. PRODUCT QUALITY COMPLY WITH GR-326-CORE.
4. RoHS COMPLIANCE.



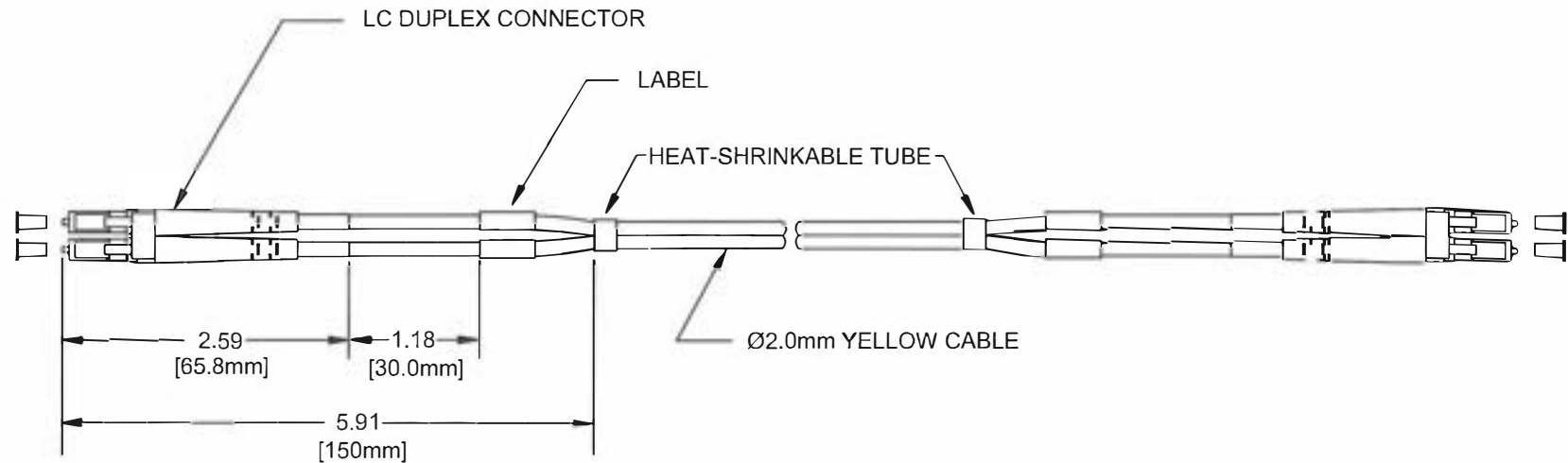
ALLEN TEL PRODUCTS, INC.

30 TV5 DRIVE, HENDERSON, NEVADA 89014

02

GBSTC-D4-XX 10Gb ST TO SC DUPLEX
MULTIMODE 50/125 OM3 (AQUA JACKET)

NOTE:
DIMENSIONS IN INCHES [mm]



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	125
INSERTION LOSS	dB	<0.2
RETURN LOSS	dB	>50
DURABILITY (500 TIMES)	dB	<0.3
OPERATING TEMPERATURE	°C	-40~+85
STORAGE TEMPERATURE	°C	-40~+85
TYPICAL CABLE OD	mm	Ø2.0

FEATURES

- * LC CONNECTORS ARE COMPLIANT TIA/EIA-640-10;
LUCENT: 640-252-256
- * PRODUCT QUALITY COMPLY WITH GR-326-CORE

PART#: GBLC2-D1- ~~XX~~ 02

LENGTH (METERS)
01, 02, 03, 04, 05, 06, 07,
08, 09, 10, 15, 20, 25, 30

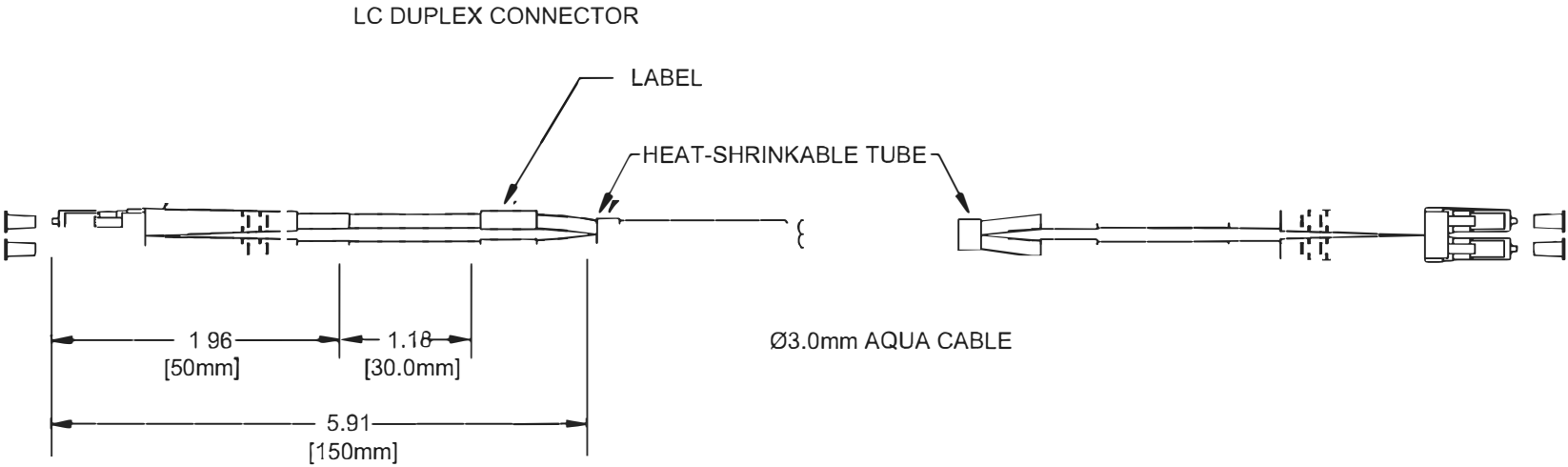




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GBLC2-D1-XX LC TO LC DUPLEX
SINGLEMODE 9/125 (YELLOW JACKET)

NOTE:
DIMENSIONS IN INCHES [mm]



SPECIFICATIONS

PARAMETER	UNITS	
FERRULE ID	um	127
INSERTION LOSS	dB	<0.3
DURABILITY (500 TIMES)	dB	<0.3
OPERATING TEMPERATURE	°C	-40~+85
STORAGE TEMPERATURE	°C	-40~+85
TYPICAL CABLE OD	mm	Ø3.0

FEATURES

- * LC CONNECTORS ARE COMPLIANT TIA/EIA-640-10;
LUCENT: 640-252-256
- * PRODUCT QUALITY COMPLY WITH GR-326-CORE

—] PART#: GBLC2-D4- ~~XX~~ 02

LENGTH (METERS)

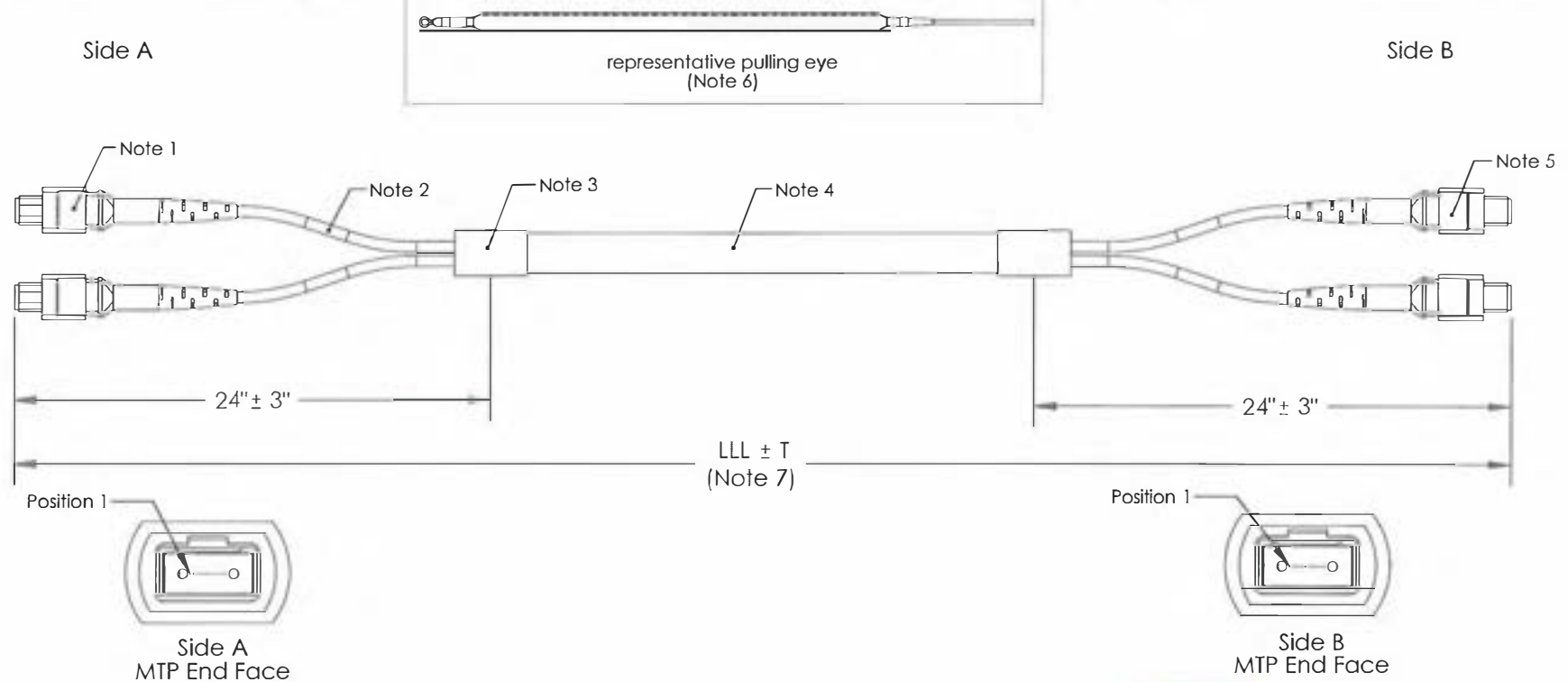
01, 02, 03, 04, 05, 06, 07,
08, 09, 10, 15, 20, 25, 30



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GBLC2-D4-XX 10Gb LC TO LC DUPLEX
MULTIMODE 50/125 OM3 (AQUA JACKET)

FOR HISTORICAL AND INFORMATIONAL PURPOSES ONLY

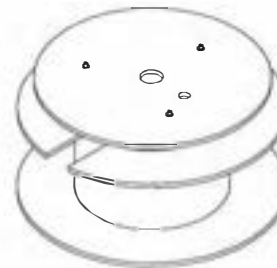


Note 1	Multimode MTP connector
Note 2	3mm sub-unit legs
Note 3	All furcation points covered with polyolefin tubing
Note 4	Cable type: Draka MFC-00-G3-024-M3 or similar
Note 5	Multimode MTP connector
Note 6	Pulling eye installed as requested (if required)
Note 7	Total assembly length is measured from connector end to connector end
Note 8	Pinout compliant with Quiktron standard D100029 Type A: 1-1

Length (LLL) in feet

Final product spooled on reel (if applicable)

Reel dimensions vary based on product length



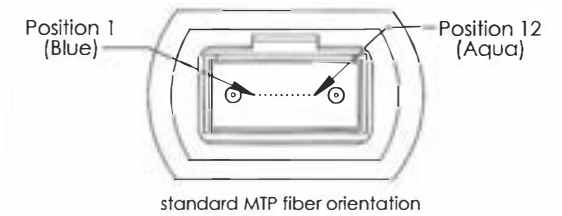
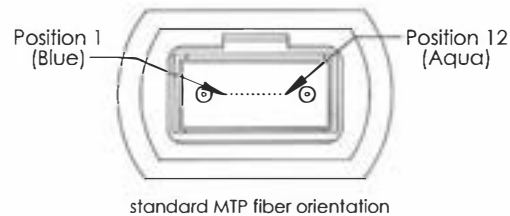
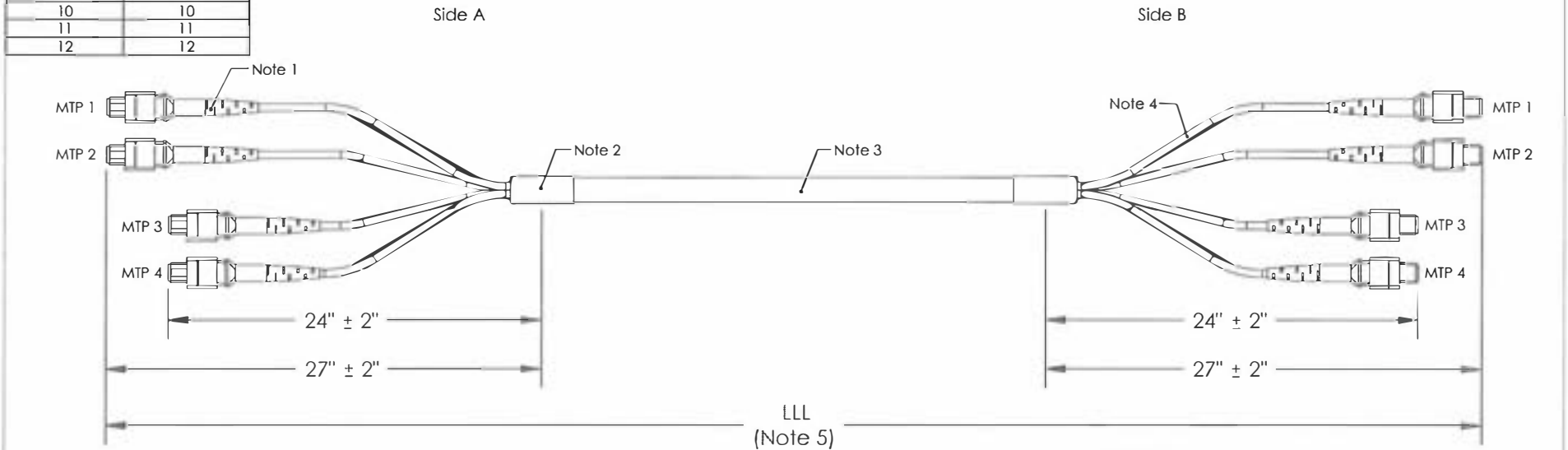
Maximum Fiber Loss: 3.5dB/km @ 850nm (MM) 1.0dB/km @ 1300nm (MM) 0.35dB/km @ 1310nm (SM) 0.25dB/km @ 1550nm (SM) Attenuation Testing Performed in Accordance with EIA/TIA-455-171A	
Fiber/Conn. Type	Primary/Secondary Boot Colors (pre-termin use primary boot colors only)
Single-mode	Blue/White
Multimode 50/62.5um	Black/Red
10 Gig Aqua	Black/Red
MTRJ	Black
Angled PC Connectors	Green/Green (opposite non-angled side white/white)

MTP Position	Fiber Color	MTP Position	PERFORMANCE SPECIFICATIONS		GENERAL SPECIFICATIONS	PROPRIETARY AND CONFIDENTIAL			NAME	DATE	QUIKTRON 925 Old Lenoir Road Hickory, NC 28601 811-441-4411			
1	Blue	1	TYPE	Multimode, 50um, 10Gig	CONNECTOR LATERAL PULL TEST >= 50N (11.24lbs.)	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF QUIKTRON. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF QUIKTRON IS PROHIBITED.	DRAWN	E. Price	9/17/2008	TITLE:	824-MMMP- LLL -50L 24F MTP-MTP Assembly			
2	Orange	2												
3	Green	3	WAVELENGTH	850nm/1300nm (MM)	ENDFACE GRADE SM = ultra physical contact (UPC) MM = physical contact (PC)		ENG APPR.	S. Pons	9/17/2008					
4	Brown	4												
5	Slate	5	CONNECTOR LOSS	TYPICAL 0.2dB MAX 0.60dB	LENGTH TOLERANCE (T) Up to 300 Feet -0 / +36" >300 Feet -0 / +1%		CHECKED	EC MEETING GROUP 6-6-2014	SIZE	DWG. NO.	REV			
6	White	6												
7	Red	7	TYP. RETURN LOSS	-20dB (MM)			MFG APPR.		A	D100714	C			
8	Black	8												
9	Yellow	9	OPERATING TEMP	(-20 C) - (+70 C)			Q.A.		SCALE: NTS	WEIGHT:	SHEET 1 OF 1			
10	Violet	10												
11	Rose	11												
12	Aqua	12												

FOR HISTORICAL AND INFORMATIONAL PURPOSES ONLY

MTP Position (Side A)	MTP Position (Side B)
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12

Note 1	Multimode MTP connector
Note 2	All furcation points covered with polyolefin tubing
Note 3	Cable Type: Corning 048TD8-T1380-20 or similar
Note 4	12 fiber sub-unit legs
Note 5	LLL is measured from connector end to connector end



MTP	Fibers	MTP	PERFORMANCE SPECIFICATIONS		GENERAL SPECIFICATIONS	PROPRIETARY AND CONFIDENTIAL		NAME	DATE	QUIKTRON			
1	1-12	1	TYPE	Multimode, 50um, 10Gig	CONNECTOR LATERAL PULL TEST	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF QUIKTRON. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF QUIKTRON IS PROHIBITED.	DRAWN	E. Price	2/9/2012	TITLE: 848-MMMP- LLL -50L 48F MTP-MTP Assembly			
2	13-24	2											
3	25-36	3	TEST WAVELENGTH	1310nm (MM)	>= 50N (11.24lbs.)		CHECKED	S. Pons	2/9/2012				
4	37-48	4	ASSEMBLY LOSS	MAX <= 0.60dB	ENDFACE GRADE		ENG APPR.	Approved EC Group	02/24/12	SIZE	DWG. NO.	REV	
			TYP. RETURN LOSS	-20dB (MM)	SM = ultra physical contact (UPC) MM = physical contact (PC)		MFG APPR.						
			OPERATING TEMP	{-20 C} - {+70 C}	BEND RADII = 1.5"		Q.A.			SCALE:	WEIGHT:	SHEET 1 OF 1	
925 Old Lenoir Road Hickory, NC 28601 800-361-0471													

5

4

3

2

1

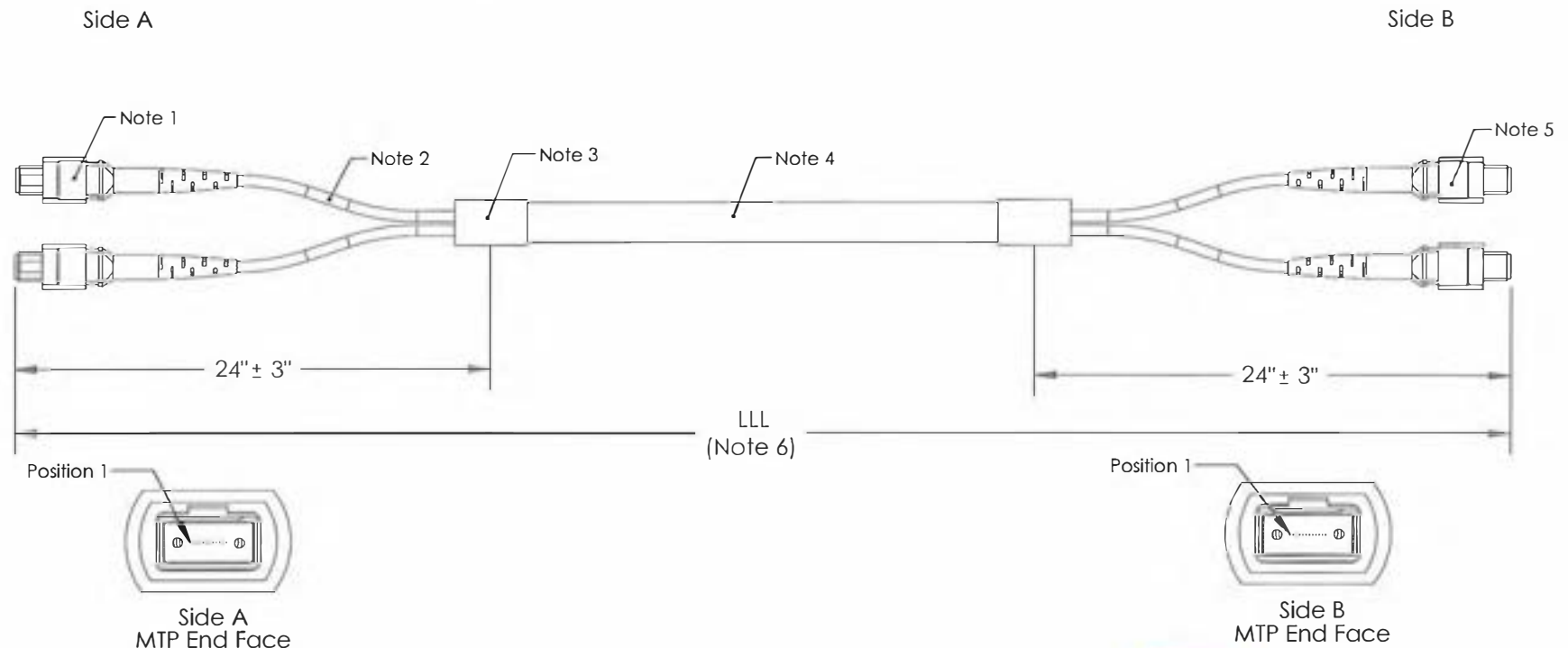
925 Old Lenoir Road
Hickory, NC 28601
800-361-0471

120

848-MMMP-~~LLL~~-50L
48F MTP-MTP Assembly

D101631

FOR HISTORICAL AND INFORMATIONAL PURPOSES ONLY

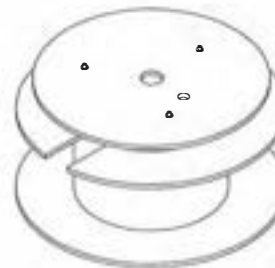


Note 1	Single-mode MTP connector
Note 2	12-fiber subunit legs
Note 3	All furcation points covered with polyolefin tubing
Note 4	Cable type: TLC S09MD24CNPY
Note 5	Single-mode MTP connector
Note 6	Total assembly length is measured from connector end to connector end

Length (LLL) in feet

Final product spooled on reel (if applicable)

Reel dimensions vary based on product length



MTP Position	Fiber Color	MTP Position
1	Blue	1
2	Orange	2
3	Green	3
4	Brown	4
5	Slate	5
6	White	6
7	Red	7
8	Black	8
9	Yellow	9
10	Violet	10
11	Rose	11
12	Aqua	12

5

4

3

2

PERFORMANCE SPECIFICATIONS	GENERAL SPECIFICATIONS	PROPRIETARY AND CONFIDENTIAL	NAME	DATE
TYPE	Single-mode	CONNECTOR LATERAL PULL TEST ≥ 50N (11.24lbs.)	DRAWN	E. Price 10/22/2012
WAVELENGTH	1300nm [SM]	ENDFACE GRADE SM = ultra physical contact (UPC) MM = physical contact (PC)	ENG APPR.	S. Pons 10/22/2012
CONNECTOR LOSS	TYPICAL 0.3dB MAX 0.75dB	LENGTH TOLERANCE (ft) Up to 300 Feet -0 / +34" >300 Feet -0 / +1%	CHECKED	Approved 12/7/12 EC Group
TYP. RETURN LOSS	-55dB [SM]		MFG APPR.	
OPERATING TEMP	[-20 C] - [+70 C]		Q.A.	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF QUIKTRON. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF QUIKTRON IS PROHIBITED.

Maximum Fiber Loss:
3.5dB/km @ 850nm [MM]
1.0dB/km @ 1300nm [MM]
0.35dB/km @ 1310nm [SM]
0.25dB/km @ 1550nm [SM]
Attenuation Testing Performed in
Accordance with EIA/TIA-455-171 A

Fiber/Conn. Type	Primary/Secondary Boot Colors (pre-fer use primary boot colors only)
Single-mode	Blue/White
Multimode 50/62.5um	Black/Red
10 Gig Aqua	Black/Red
MTRJ	Black
Angled PC Connectors	Green/Green (opposite non-angled side white/white)

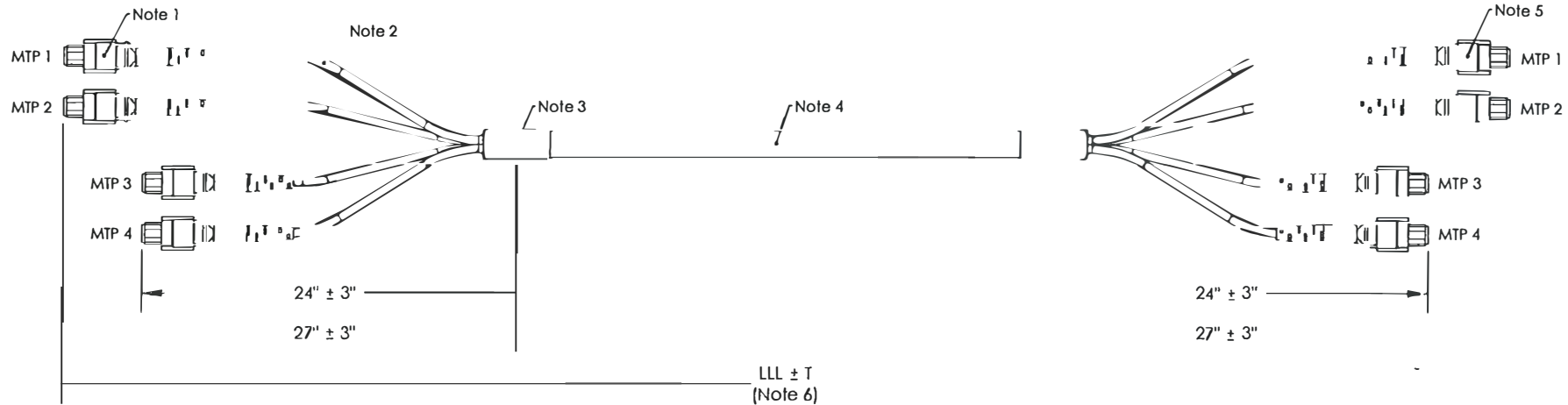
925 Old Lenoir Road
Hickory, NC 28601
800-361-0471

QUIKTRON		
TITLE: 824-MMMPT-LLS 080S 24F MTP-MTP Assembly		
SIZE A	DWG. NO. D101854	REV A
SCALE: NTS	WEIGHT:	SHEET 1 OF 1

FOR HISTORICAL AND INFORMATIONAL PURPOSES ONLY

Side A

Side B



Note 1 Single-mode MTP Connector (green housing)

Note 2 12-fiber subunit legs

Note 3 All furcation points covered with polyolefin tubing

Note 4 Cable type: Superior Essex S09MD48CZNPY4T-Y or similar

Note 5 Single-mode MTP Connector (green housing)

Note 6 Total assembly length is measured from connector end to connector end

Note 7 Assembly is labeled in accordance with Quiktron D102144

Note 8 Pin-out compliant with Quiktron standard D100029 Type A: 1-1, TIA/EIA 568-C.0 Method A, and TIA-604-S-D.

Length (LLL) in feet

Final product spooled on reel
(if applicable)

Reel dimensions vary based on
product length

Connector Port Specifications

Side	Connector Style	Quiktron Drawing
A	MTP (Single-mode)	D102313
B	MTP (Single-mode)	D102313

925 Old Lee Road
Hickory, NC 28621
800-461-1471

MTP Position	Fiber Color	MTP Position	PERFORMANCE SPECIFICATIONS		GENERAL SPECIFICATIONS	PROPRIETARY AND CONFIDENTIAL		NAME	DATE	QUIKTRON		925 Old Lee Road Hickory, NC 28621 800-461-1471	
1	Blue	1	TYPE	Single-mode	CONNECTOR LATERAL PULL TEST >= 50N (11.24lbs.)	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF QUIKTRON. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF QUIKTRON IS PROHIBITED.	DRAWN	E. Price	11/24/2015	TITLE: 848-MMMPT-LLS 1005		REV	
2	Orange	2		WAVELENGTH				1310nm/1550nm (SM)	ENG APPR.	S. Pons	11/24/2015		48F MTP-MTP Assembly
3	Green	3	CONNECTOR LOSS	MAX 0.75dB	ENDFACE GRADE: SM MTP = angled physical contact (8° APC) MM = physical contact (PC)	CHECKED	EC MEETING GROUP	12-4-2015	SIZE DWG. NO.		A	D102902	
4	Brown	4		TYP. RETURN LOSS					-60dB (SM)	A			
5	Slate	5	OPERATING TEMP	{ 20°C } - { +70°C }	LENGTH TOLERANCE (I) Up to 300 Feet -0 / +36" >300 Feet -0 / +1%	MFG APPR.	Q.A.			SCALE: NTS		SHEET 1 OF 1	
6	White	6		ATTENUATION TESTING PERFORMED IN ACCORDANCE WITH EIA/TIA-455-171A									
7	Red	7	TYP. RETURN LOSS	MAX 0.75dB	LENGTH TOLERANCE (I) Up to 300 Feet -0 / +36" >300 Feet -0 / +1%	MFG APPR.	Q.A.			WEIGHT:			
8	Black	8		ATTENUATION TESTING PERFORMED IN ACCORDANCE WITH EIA/TIA-455-171A									
9	Yellow	9	OPERATING TEMP	{ 20°C } - { +70°C }	LENGTH TOLERANCE (I) Up to 300 Feet -0 / +36" >300 Feet -0 / +1%	MFG APPR.	Q.A.						
10	Violet	10		ATTENUATION TESTING PERFORMED IN ACCORDANCE WITH EIA/TIA-455-171A									
11	Rose	11	OPERATING TEMP	{ 20°C } - { +70°C }	LENGTH TOLERANCE (I) Up to 300 Feet -0 / +36" >300 Feet -0 / +1%	MFG APPR.	Q.A.						
12	Aqua	12		ATTENUATION TESTING PERFORMED IN ACCORDANCE WITH EIA/TIA-455-171A									

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CABLING ONLY LABOR RATE PRICING

Regular Work Hours (work performed during normal State hours)

RN137 Basic Labor Charge (1 hour rate)

Includes additional labor hours for work not covered by the other line items including non-installation work like removals and will be at the standard labor rate of \$65.00/hour.

Unit of measure is per hour.

RN138 Minimum Basic Labor Charge (minimum charge for part of an hour)

A Minimum Labor Charge of one-half (1/2) hour will be at the standard labor rate of \$65.00/hour or \$32.50/hour.

RN139 Other Basic Labor Charge (1 hour rate) (optional item for other work)

Basic labor charge for other work at the standard labor rate of \$65.00/hour.

Outside Work Hours (work performed outside of normal State hours)

RN140 Outside Labor Charge (1 hour rate)

Includes additional labor hours for work performed outside of normal State hours and will be at the standard overtime labor rate of \$97.50/hour.

RN141 Minimum Basic Labor Charge (minimum charge for part of an hour)

A Minimum Labor Charge of one-half (1/2) hour will be at the outside labor rate of \$50.00/hour.