

CABLING & SUPPORT STRUCTURE PRICING ADDENDUM REVISION 1

<u>Description</u>	<u>Ref. No.</u>	<u>Mfg. Model No.</u>	<u>Equip. Unit Price</u>	<u>+</u>	<u>Install Unit Price</u>	<u>=</u>	<u>Total Unit Price</u>	<u>x</u>	<u>Est. Qty.</u>	<u>=</u>	<u>Total Bid Price</u>
Conduit											
Rigid Conduit, 1", ft.	CS-261	Rigid Steel, 1"	11.30		30.07		41.37		1		\$41.37
Rigid Conduit, 2", ft.	CS-262	Rigid Steel, 2"	19.46		82.11		101.57		1		\$101.57
Rigid Conduit, 3", ft.	CS-263	Rigid Steel, 3"	44.77		116.52		161.29		1		\$161.29
Rigid Conduit, 4", ft.	CS-264	Rigid Steel, 4"	76.82		158.30		235.12		1		\$235.12
Liquid Flex, 1", ft.	CS-265	YF-70610	2.33		12.43		14.76		1		\$14.76
Liquid Flex, 2", ft.	CS-266	YF-70620	4.22		31.95		36.17		1		\$36.17
Liquid Flex, 3", ft.	CS-267	YF-70630	6.02		47.56		53.58		1		\$53.58
Liquid Flex, 4", ft.	CS-268	YF-70640	8.83		78.50		87.33		1		\$87.33
Stainless Steel Enclosure											
Stainless Steel Enclosure, 6"X6"X4", ea.	CS-269	664-4XSCHC	380.46		205.28		585.74		1		\$585.74
Stainless Steel Enclosure, 12"X10"X6", ea.	CS-270	12106-4XSCHC	715.33		205.28		920.61		1		\$920.61
Stainless Steel Enclosure, 12"X12"X6", ea.	CS-271	12126-4XSCHC	809.95		205.28		1015.23		1		\$1,015.23
Stainless Steel Enclosure, 24"X24"X8", ea.	CS-272	24248-4XS	2159.56		297.80		2457.36		1		\$2,457.36
Stainless Steel Enclosure, 36"X 24"X6", ea.	CS-273	36246-4XS	2654.86		297.80		2952.66		1		\$2,952.66
Stainless Steel Enclosure, 48"X36"X 8", ea.	CS-274	48368-4XS	4346.39		783.53		5129.92		1		\$5,129.92
Patch Cords, Fiber Optic Cable Assemblies											
Fiber Jumper, LC to SC Duplex, sm, 1 m, ea.	CS-275	GB LCC-D1-01	58.05		0.00		58.05		1		\$58.05
Fiber Jumper, LC to SC, Duplex, sm, 2 m, ea.	CS-276	GB LCC-D1-02	60.08		0.00		60.08		1		\$60.08
Fiber Jumper, LC to SC, Duplex, sm, 3 m, ea.	CS-277	GB LCC-D1-03	62.02		0.00		62.02		1		\$62.02
Fiber Jumper, LC to SC, Duplex, mm, 1m, ea.	CS-278	GB LCC-D2-01	47.59		0.00		47.59		1		\$47.59
Fiber Jumper, LC to SC, Duplex, mm, 2m, ea.	CS-279	GB LCC-D2-02	51.64		0.00		51.64		1		\$51.64
Fiber Jumper, LC to SC, Duplex, mm, 3m, ea.	CS-280	GB LCC-D2-03	55.52		0.00		55.52		1		\$55.52
Fiber Jumper, LC to ST, Duplex, sm, 1 m, ea.	CS-281	GB LCT-D1-01	77.79		0.00		77.79		1		\$77.79
Fiber Jumper, LC to ST, Duplex, sm, 2 m, ea.	CS-282	GB LCT-D1-02	80.66		0.00		80.66		1		\$80.66
Fiber Jumper, LC to ST, Duplex, sm, 3 m, ea.	CS-283	GB LCT-D1-03	83.53		0.00		83.53		1		\$83.53
Fiber Jumper, LC to ST, Duplex, mm, 1m, ea.	CS-284	GB LCT-D2-01	46.91		0.00		46.91		1		\$46.91
Fiber Jumper, LC to ST, Duplex, mm 2m, ea.	CS-285	GB LCT-D2-02	50.96		0.00		50.96		1		\$50.96
Fiber Jumper, LC to ST, Duplex, mm 3m, ea.	CS-286	GB LCT-D2-03	54.84		0.00		54.84		1		\$54.84

Description
Patch Cords, Fiber Optic Cable Assemblies Continued

<u>Ref. No.</u>	<u>Mfg. Model No.</u>	<u>Equip. Unit Price</u>	<u>+</u>	<u>Install Unit Price</u>	<u>=</u>	<u>Total Unit Price</u>	<u>x</u>	<u>Est. Qty.</u>	<u>=</u>	<u>Total Bid Price</u>
CS-287	GB SC2-D1-01	59.57		0.00		59.57		1		\$59.57
CS-288	GB SC2-D1-02	62.27		0.00		62.27		1		\$62.27
CS-289	GB SC2-D1-03	64.97		0.00		64.97		1		\$64.97
CS-290	GB SC2-D2-01	32.74		0.00		32.74		1		\$32.74
CS-291	GB SC2-D2-02	36.79		0.00		36.79		1		\$36.79
CS-292	GB SC2-D2-03	40.67		0.00		40.67		1		\$40.67
CS-293	GB SC2-S1-01	23.96		0.00		23.96		1		\$23.96
CS-294	GB SC2-S1-02	26.49		0.00		26.49		1		\$26.49
CS-295	GB SC2-S1-03	29.03		0.00		29.03		1		\$29.03
CS-296	GB SC2-S2-01	18.82		0.00		18.82		1		\$18.82
CS-297	GB SC2-S2-02	23.20		0.00		23.20		1		\$23.20
CS-298	GB SC2-S2-03	27.68		0.00		27.68		1		\$27.68
CS-299	EGBA14410FF	177.19		59.38		236.57		1		\$236.57

Miscellaneous Equipment

Grounding Bus Bar, 4" X 10" X 1/4", ea.

Sub-Total: Cabling and Support Structures \$15,205.06

<u>Ref. No.</u>	<u>Rate</u>	<u>x</u>	<u>Sub-Total: Cabling and Support Structures</u>	<u>Total Bid Price</u>
GET	0.04712		\$15,205.06	\$716.46

Sub-Total: Regulatory Fees/Charges and Taxes \$716.46

Total: Cabling and Support Structures-Addendum \$15,921.52

processed
in the U.S.A.



CS-261; CS-262; CS-263; CS-264



WESTERN TUBE & CONDUIT

STEEL CONDUIT

EMT - Electrical Metallic Tubing

IMC - Intermediate Metal Conduit

Rigid - Electrical Rigid Metal Conduit

WESTERN TUBE & CONDUIT STEEL CONDUIT

Steel conduit is recognized as the safest and most protective form of electrical raceway. It is important that steel conduit provides excellent physical protection for wiring, and also acts as a ground shield, reducing EMI (electro-magnetic interference due to field emission) and minimizing any effect of external RFI (radio frequency interference). It is also approved as being the equipment ground conductor in a circuit, thereby reducing wiring requirements and simplifying installation.

It is essential that the installer know and follow the electrical codes that are required for his installation. There are national, international, state and local codes which may be pertinent. In many cases local codes add to or change some requirements in the broader-based codes. It is up to the installer to determine which rules apply, and to then install the conduit and wiring so that it meets all the specifications.

Western Tube and Conduit manufactures its conduit with a great deal of attention being paid to usability. We want the usage of WTC products to be as easy and smooth as possible. During production there is continuous monitoring and control of those factors affecting the installer - bendability, wire push and pull capability, size and threading for use of fittings, rounding of edges for avoiding the potential to cut or abrade wire, etc. As well, because we know that some conduit sees harsh environments, we pay particular attention to good, solid, protective coatings both inside and out. Our aim is that the installer will be proud of any job he has done with WTC conduit.

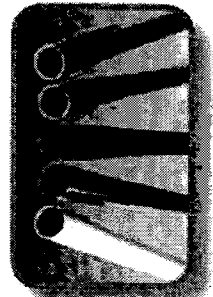
The standard length of all conduit is 10 feet. If there is a coupling attached, that length includes the coupling. WTC has the capability of producing some conduit to custom lengths, and is happy to accommodate its customers. Please contact our Sales personnel to discuss special orders.

Trade Size
Metric Designator
Nominal O.D.
Nominal I.D.
Nominal Wall Thickness
Nominal Wt. per foot
Feet in Sub-Bundle
Qty. in Master Bundle
Feet in Master Bundle
Nom. Wt. per Master Bundle
Color Designator

in.		in.	in.	in.	lbs.	ft.	qty.	ft.	lbs.	
1/2	18	0.706	0.622	0.042	0.3	100	700	7000	2100	Black
3/4	21	0.922	0.824	0.049	0.46	100	500	5000	2300	Red
1	27	1.163	1.049	0.057	0.67	100	300	3000	2010	Blue
1 1/4	35	1.510	1.380	0.065	1.01	50	200	2000	2000	Red
1 1/2	41	1.740	1.610	0.065	1.16	50	150	1500	1740	Black
2	53	2.197	2.067	0.065	1.48	50	120	1200	1776	Blue
2 1/2	63	2.875	2.731	0.072	2.16	-	61	610	1318	Black
3	78	3.500	3.356	0.072	2.63	-	51	510	1341	Blue
3 1/2	91	4.000	3.834	0.083	3.49	-	37	370	1291	Black
4	103	4.500	4.334	0.083	3.93	-	30	300	1179	Blue

COLOR EMT

It is becoming increasingly popular to identify the uses of certain raceways with color conduit. In this way emergency circuits, data transmission circuits, computer power circuits, etc., can be readily identified and traced. In order to provide users with conduit satisfying this requirement, WTC produces EMT in blue, green, black, red, and white as well as in the standard silver. They are all galvanized and meet the same UL standards, but have an extra color dye added to their outer organic coating. We are also able to provide custom colors, and want to meet your needs. Our Sales personnel can provide further information.



EMT (ELECTRICAL METALLIC TUBING)

Western Tube and Conduit EMT is manufactured using a low carbon strip steel which is electric resistance welded (ERW) into tubing and then hot in-line galvanized for rust protection. It receives organic polymer coatings both inside and out as well, making it very resistant to corrosion.

WTC EMT is listed with UL (Underwriter's Laboratories) and meets all specification requirements. Every piece of conduit contains a label reflecting that UL approval.

WTC emphasizes providing a durable product that is easy to use. We make sure our EMT bends without kinking or flattening. We test to make sure the zinc galvanize layer will not flake or crack. There is a special ID coating that has low friction so that feeding wires is simple and easy. And both the ID and the OD are treated so that rust is inhibited.

WTC's EMT products conform to the following specifications:

- **UL 797** (Underwriter's Laboratories) "Standard for Safety for Electrical Metallic Tubing - Steel". We participate in UL's program of continuous monitoring of our production facilities and our products.
- **CSA C22.2 No. 83.1** (Canadian Standards Association) "Electrical Metallic Tubing - Steel".
- **ANSI C80.3** (American National Standards Institute) "American National Standard for Steel Electrical Metallic Tubing".
- **NEC Article 358** (National Electrical Code).
- **U.S. Federal Agencies and the U.S. DOD** (Department of Defense) - these organizations formerly required conformance to their Specification WW-C-563 but have abandoned that document and replaced it with the above listed UL-797 and ANSI C80.3.

Trade Size
Metric Designator
Nominal O.D.
Nominal I.D.
Nominal Wall Thickness
Feet in Sub-Bundle
Qty. in Sub-Bundle
Feet in Master Bundle
Nom. Wt. per Master Bundle
Color Designator

in.		in.	in.	in.	lbs.	ft.	qty.	ft.	lbs.	
1/2	16	0.875	0.659	0.078	0.62	100	350	1500	2170	Yellow
3/4	21	1.029	0.863	0.083	0.84	50	250	2500	2100	
1	27	1.290	1.104	0.093	1.19	50	170	1700	2023	Orange
1 1/4	35	1.638	1.446	0.095	1.58	-	135	1350	2133	
1 1/2	41	1.883	1.683	0.100	1.94	-	110	1100	2134	Yellow
2	53	2.360	2.150	0.105	2.56	-	80	800	2048	Orange
2 1/2	63	2.857	2.557	0.150	4.41	-	37	370	1632	Yellow
3	78	3.476	3.176	0.150	5.43	-	30	300	1629	Orange
3 1/2	91	3.971	3.671	0.150	6.29	-	24	240	1510	Yellow
4	103	4.466	4.166	0.150	7.00	-	24	240	1680	Orange

**** SAFETY INFORMATION ****

It is well known that steel conduit provides the best protection from physical and fire damage that is available in electrical raceways. Lately, concern has developed over the potential effects of electrical fields on humans. There is no hard evidence that field emissions from AC power lines are damaging to humans, but there are suspicions and possible links to increased incidence of cancer, and studies are being performed to further scientific knowledge in this area. The use of steel conduit has been shown to significantly reduce the amount of emitted signal around electrical wiring, and it can certainly provide extra protection from the fields generated by the wiring. Using steel conduit is the safest approach we can recommend.

RIGID (RMC - RIGID METAL CONDUIT)

WTC's Rigid Conduit is manufactured as heavy gage tubing which is then galvanized inside and out, receives a chromate conversion layer, and then an organic polymer for extra protection. It is strong and resistant to environmental and mechanical degradation.

Rigid also is monitored at the factory to make sure it is easily usable. It is subjected to bend testing and threadability testing, as well as a large number of verifications. Each piece contains the UL approval label and one coupling.

WTC's Rigid products conform to the following specifications:

- **UL 6** (Underwriter's Laboratories) "Standard for Safety Electrical Rigid Metal Conduit - Steel". Again, we participate in UL's program of continuous monitoring of our production facilities and our products.
- **CSA C22.2 No. 45.1** (Canadian Standards Association) "Electrical Rigid Conduit - Steel".
- **ANSI C80.1** (American National Standards Institute) "American National Standard for Electrical Rigid Metal Conduit - Steel".
- **NEC Article 344** (National Electrical Code).
- **U.S. Federal Agencies and the U.S. DOD** (Department of Defense) - these organizations formerly required conformance to their Specification WW-C-581 but have abandoned that document and replaced it with the above listed UL-6 and ANSI C80.1.

IMC (INTERMEDIATE METAL CONDUIT)

It should be noted that, per the NEC (National Electrical Code), IMC may be used in any application and location where Rigid Conduit is specified. It meets all NEC code requirements and is completely acceptable as a substitute.

IMC is manufactured as a cross between EMT and Rigid. It has the same tube-making process as EMT, but is a much heavier gage so it can be threaded like Rigid. It receives the same size threads, so the same couplings are used on both. It is a slightly thinner gage than Rigid, so it is lighter and easier to use. But it still has the overall strength it needs. It is well protected by its zinc and organic coatings inside and out from corrosion. It is tested for bendability and threadability as well. Each piece of IMC has a label showing its UL approval, and it is shipped containing one coupling.

WTC's IMC products conform to the following specifications:

- **UL 1242** (Underwriter's Laboratories) "Standard for Safety Electrical Intermediate Metal Conduit - Steel". Again, we participate in UL's program of continuous monitoring of our production facilities and our products.
- **ANSI C80.6** (American National Standards Institute) "American National Standard for Electrical Intermediate Metal Conduit".
- **NEC Article 342** (National Electrical Code).
- **U.S. Federal Agencies and the U.S. DOD** (Department of Defense) - these organizations formerly required conformance to their Specification WW-C-581 but have abandoned that document and replaced it with the above listed UL-1242 and ANSI C80.6.

Color Designator refers to banding on EMT and end caps on IMC and Rigid
Master bundle quantities conform to NEMA Standard RN-2
All WTC Conduit is listed with UL (Underwriter's Laboratories)

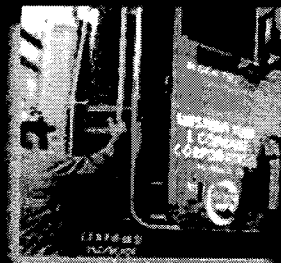
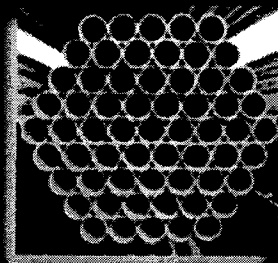
Trade Size
Metric Designator
Nominal O.D.
Nominal I.D.
Nominal Wall Thickness
Feet in Sub-Bundle
Qty. in Sub-Bundle
Feet in Master Bundle
Nom. Wt. per Master Bundle
Color Designator

in.		in.	in.	in.	lbs.	ft.	qty.	ft.	lbs.	
1/2	16	0.840	0.632	0.104	0.82	100	250	2500	2050	Black
3/4	21	1.050	0.836	0.107	1.09	50	200	2000	2180	Red
1	27	1.315	1.063	0.126	1.61	50	125	1250	2013	Blue
1 1/4	35	1.660	1.394	0.133	2.18	-	90	900	1962	Red
1 1/2	41	1.900	1.624	0.138	2.63	-	80	800	2104	Black
2	53	2.375	2.083	0.146	3.59	-	60	600	2100	Blue
2 1/2	63	2.875	2.489	0.193	5.59	-	37	370	2068	Black
3	78	3.500	3.090	0.205	7.27	-	30	300	2181	Blue
3 1/2	91	4.000	3.570	0.215	8.80	-	25	250	2200	Black
4	103	4.500	4.050	0.225	10.30	-	20	200	2060	Blue
5	129	5.563	5.073	0.245	14.00	-	15	150	2100	Blue
6	155	6.625	6.093	0.266	18.40	-	10	100	1840	Blue

Service, Quality and Friendship Since 1964

CUSTOMER SATISFACTION

Western Tube & Conduit works hard at developing and maintaining an environment where the employees take a proactive approach to Customer Satisfaction. We know that success means being helpful and knowledgeable up front, understanding all the customer's applications, needs and requirements, producing material that meets all its specifications, and delivering on time. We are highly sensitive to the needs of customers for quick delivery, even on unique items, and pride ourselves on being highly responsive. We are happy to discuss custom products and usually can satisfy the need. If you have special requirements, let us know and see how well we perform.



QUALITY

Western Tube & Conduit is registered and certified to ISO 9001:2000. Satisfying that set of quality requirements allows us to efficiently maintain a consistent high quality output. We take Quality very seriously, and know that it must be pervasive throughout our company. We think of Quality not only in terms of our products, but also in our processes and systems. Western Tube & Conduit has dedicated itself to Continuous Improvement, and we constantly measure our performance, always seeking to be better than we were previously. We invest a great deal of time and effort into helping our employees understand the needs of customers, and to creating an environment that fosters a conscientious approach to getting things exactly right. Our people work hard to provide what would be satisfactory to them as if they were the customer themselves – nothing less will suffice.

The ultimate goal of Western Tube is to be identified as the company that stands out in the industry as being most responsive to customers and where you automatically go when you need high quality. We know that the journey never ends, and we will always work towards being better at what we do so that you can provide your customers with the same excellence in products and service.



WESTERN TUBE & CONDUIT CORPORATION

2001 East Dominguez Street P.O. Box 2720
Long Beach, CA 90801-2720

(800) 310-8823 (310) 537-6300 (714) 952-3188 FAX (310) 604-9785

www.westerntube.com

Being a leader in our industry,
we maintain affiliation with the
following trade associations



Hot Dipped Galvanized Rigid Steel Conduit



Hot dipped galvanized WESTERN Rigid Conduit is precision-rolled, producing a clean homogeneous weld structure and a smooth, burr-free interior surface.
Will not split or crack at the weld. For exposed or concealed installations

WESTERN TUBE & CONDUIT CORPORATION

2001 EAST DOMINGUEZ STREET • P.O. BOX 2720 • LONG BEACH, CALIFORNIA 90801-2720
(310) 537-6300 • (714) 952-3188 • FAX (310) 604-9785

- Made from highest quality prime steel.
- Each length of conduit is completely cleaned and pickled.
- Hot dipped galvanized and secondary-coated finish insures exceptional corrosion resistance.
- Easy to bend, cut and thread on the job, yet is strong enough to withstand mechanical abuse.
- Simultaneous threading of both ends insure straight runs.
- A galvanized coupling and a color-coded thread protector is assembled to each length of conduit.
- Meets requirements of Underwriters Laboratories, UL-6 Federal Specification WW-C-581E and ANSI Specification C-80.1.

ARCHITECTS HOT DIPPED GALVANIZED CONDUIT SPECIFICATIONS

To specify Western Hot Dipped Galvanized Rigid Steel Conduit, include the following:

Electrical Conductors shall be enclosed in Western Hot Dipped Galvanized Rigid Steel Conduit, in accordance with the National Electric Code. Galvanized Rigid Conduit shall be steel. Hot Dipped Zinc Coated, produced to ANSI Specifi-

cation C-80.1 and Federal Specification WW-C-581E, and shall carry the Underwriters Laboratories label, as manufactured by Western Tube & Conduit Corporation.

STANDARD PACKAGING

Western Conduit is bundled as follows:

1/2"	10 lengths
3/4" and 1"	5 lengths
1 1/4"	3 lengths
1 1/2" and larger	1 length

Western Conduit is shipped as follows:

1/2" — 2500 feet per standard lift	2060 lbs.
3/4" — 2000 feet per standard lift	2170 lbs.
1" — 1250 feet per standard lift	2010 lbs.
1 1/4" — 900 feet per standard lift	1960 lbs.
1 1/2" — 800 feet per standard lift	2100 lbs.
2" — 600 feet per standard lift	2100 lbs.
2 1/2" — 370 feet per standard lift	2070 lbs.
3" — 300 feet per standard lift	2180 lbs.
3 1/2" — 250 feet per standard lift	2200 lbs.
4" — 200 feet per standard lift	2060 lbs.
5" — 150 feet per standard lift	2100 lbs.
6" — 100 feet per standard lift	1840 lbs.

STANDARD NOMINAL WEIGHTS AND DIMENSIONS

SIZE	PIPE					ELBOWS			COUPLINGS	COLOR CODE THREAD PROTECTOR
	UL MIN. WGT. PER 100 FOOT IN LBS. INCL. CPL.	O. D.	I. D.	THICKNESS	THREADS PER INCH	WEIGHT PER 100 IN LBS.	RADIUS INCHES	OFFSET INCHES	WEIGHT PER 100 IN LBS.	
1/2"	79	.840	.632	.104	14	82	4.000	6.500	11.6	Black
3/4"	105	1.050	.836	.107	14	109	4.500	7.250	17.0	Red
1"	153	1.315	1.063	.126	11 1/2	201	5.750	8.750	30.0	Blue
1 1/4"	201	1.660	1.394	.133	11 1/2	313	7.250	10.500	37.0	Red
1 1/2"	249	1.900	1.624	.138	11 1/2	441	8.250	11.750	51.5	Black
2"	332	2.375	2.083	.146	11 1/2	707	9.500	13.500	67.1	Blue
2 1/2"	527	2.875	2.489	.193	8	1411	10.500	15.000	167.5	Black
3"	682	3.500	3.090	.205	8	1850	13.000	18.000	209.5	Blue
3 1/2"	831	4.000	3.570	.215	8	2979	15.000	20.500	340.0	Black
4"	972	4.500	4.050	.225	8	3528	16.000	22.000	383.9	Blue
5"	1314	5.563	5.073	.245	8	6575	24.000	31.000	446.2	Blue
6"	1745	6.625	6.093	.266	8	9645	30.000	37.500	728.2	Blue

FULL RANGE OF SIZES 1/2" TO 6". AMPLE STOCK MAINTAINED AT ALL TIMES FOR PROMPT MILL SHIPMENT.



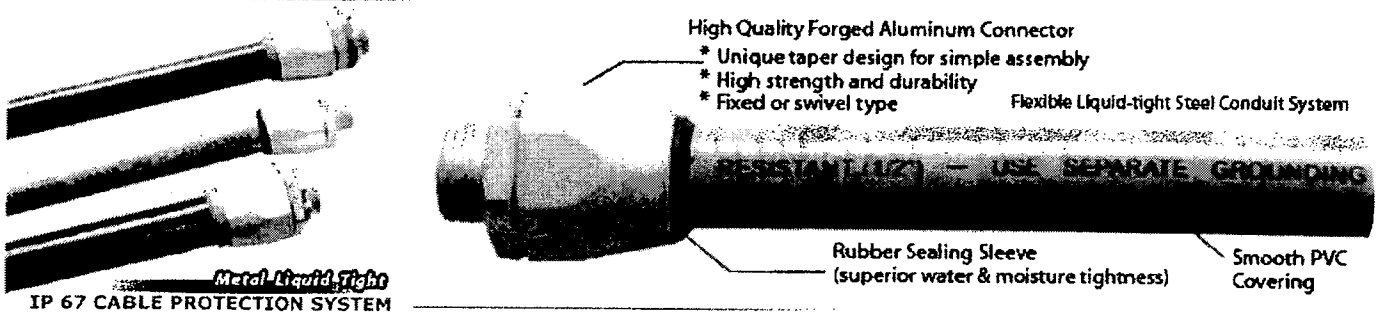
Liquid-tight Flexible Metallic Conduit (YF-706)

PVC Covered Squalrelock Metallic Flexible Liquidtight Conduit With Filler



Liquidtight flexible steel conduit (LFMC) is designed for a variety of installations requiring **motion, vibration and bending**. It offers good **mechanical and moisture protection** to enclosed conductors. The inherent **Sunlight Resistance** of PVC also enables this product to be used in outdoor applications and power transformers wirings.

- *Galvanized steel strip core with **more convolutions** per meter than other conduits — for **greater crush strength**.
- *Smooth **Heavy Duty** PVC sheath
- *Fully flexible with exceptional mechanical strength
- *Trade size: 1/4"~4" (square locked, with Nylon cord packing)
- *Liquid-tight
- *High mechanical tensile strength
- *Cover does not wrinkle when bent



Flexible Liquid-tight Metal conduit (Sealtite) is ideal when used with liquid tight fittings for applications where a high degree of liquid tightness is required. This product is suitable for a number of general purpose applications and ideal for environments with lots of oils and greases such as machine tool workshops.



MADE FROM YF-708 FLEXIBLE METALLIC CONDUIT WITH HEAVY DUTY SMOOTH PVC COVERING:

- *Durable and long life.
- *High tensile strength.
- *Inner core made from a spiral wound strip of **corrosion resistant** galvanized steel.
- *Square locked construction with packing for more strength and **smooth** wipe clean PVC covering surface.
- *Liquid tight. Complete protection against most liquids and moisture vapor. Resists sunlight, heat, oil and chemical degradation.

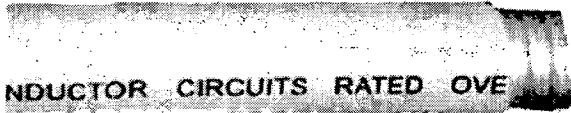


Liquidtight flexible metal conduit is

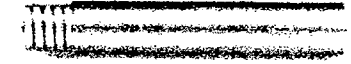
Liquid-tight Flexible Metallic Conduit (YF-706)

FLEXIBLE PVC COVERING
(WITH SMOOTH SURFACE)

GALVANIZED STEEL STRIP
HELICALLY WOUND WITH
NYLON SEALING CORD



manufactured from an electro-galvanized steel flexible inner core which is pressure coated with an oil resistant, high temperature grade of plasticised PVC. The PVC is keyed into the corrugations of the inner steel flexible core, preventing the PVC from wrinkling when the conduit is bent to its minimum bend radius.



Smooth PVC Covering
Galvanized Steel Strip
(Square Locked Construction)
Nylon Cord Packing
Other Packing Materials
* PVC or Rubber Wire
* Copper Wire

Nylon / Rubber Sealing Cord
(For increased strength & moisture protection)

Liquid tight
High tensile strength
Good Mechanical Protection

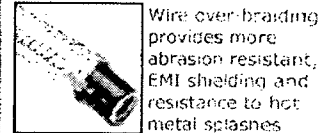
Applications:
Liquidtight flexible metallic conduit provides protection for wiring circuits located in extremely wet or damp areas. It is also suitable for machines, tools and equipments where ruggedness is required.



Now in extensive use on presses, welders, pumps, blowers, grinders, conveyors, machines and portable tools, automated lines, and in construction, power plants, industry, commerce and transportation.

Related Products:
Liquid tight flexible metal conduits with metal wire over-braid for more abrasion resistance and EMI screening.

>>> Model YF-705



Wire over-braiding provides more abrasion resistant, EMI shielding and resistance to hot metal splashes

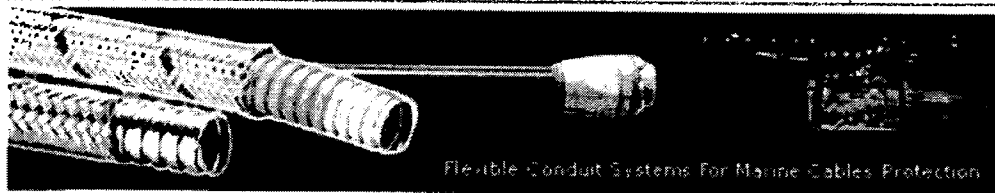
Over Braided Flexible Steel Conduits

>>> Model YF-604

(with copper bonding wire)



Type	Trade Size	I.D. (mm)		O.D. (mm)		Min. Bending Radius (mm)	Meters/Coil
		MIN.	MAX.	MIN.	MAX.		
YF-70602	1/4"	6.2	6.7	11.4	11.9	35	100
YF-70603	3/8"	12.3	12.8	18.0	18.3	50	50
YF-70604	1/2"	15.8	16.2	22.0	22.5	60	50
YF-70606	3/4"	20.8	21.3	26.5	27.0	75	30
CS-265 → YF-70610	1"	26.4	27.1	34.0	34.5	100	30
YF-70612	1-1/4"	35.0	35.5	42.8	43.5	135	20
YF-70614	1-1/2"	40.1	40.6	48.5	49.0	160	20
CS-266 → YF-70620	2"	50.5	51.2	61.3	62.0	190	15
YF-70624	2-1/2"	62.9	63.6	72.1	73.0	300	10
CS-267 → YF-70630	3"	77.9	78.7	87.8	88.9	450	10
CS-268 → YF-70640	4"	101.6	102.6	113.2	114.3	600	5
YF-70650	5"	126.4	127.9	139.8	141.4	800	5
YF-70660	6"	152.8	154.3	166.8	168.3	1000	5



Flexible Conduit Systems For Marine Cables Protection

Liquid tight Flexible Steel Conduit

Heavy duty, non-wrinkling smooth durable PVC jacket for exposed applications.

- Superior performance and appearance, creating a liquidtight conduit resistant to most oils, acids and vapors present in industrial environments.

















— Suitable for use in a variety of environments and applications from general purpose wiring in **wet** or **damp** locations, to direct burial and in concrete embedment, to raised computer room floors and site lighting jobs. It offers good mechanical and moisture protection to enclosed electrical conductors.

*We are also dedicated to **"cut-to-length"** order for flexible conduits. Consult Dellkon for details

*All sizes and dimensions listed above are subject to manufacturing tolerances.

*Standard Packaging: Shrink wrapped coil. Other custom packaging methods or of longer length is also possible upon request and our approval. Also Refer To: **Braided Flexible Metal Conduit Flexible**

S.S. Conduit

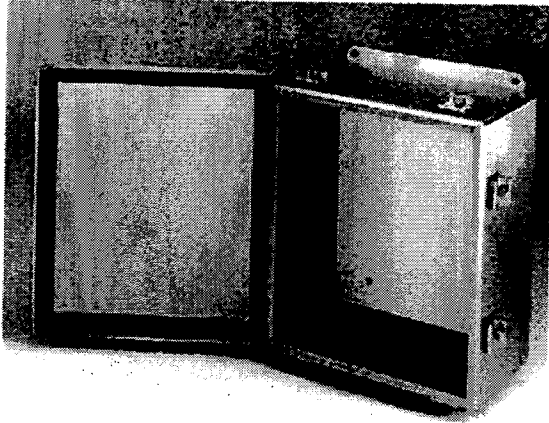
Braided Conduits 						 CONNECTORS & FITTINGS FOR LIQUID TIGHT FLEXIBLE CONDUIT					
Suitable connectors											
											
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

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Type 4X Stainless Steel JIC Continuous Hinge Cover Enclosures Data Sheet

CS-269; CS-270; CS-271; CS-272; CS-273; CS-274



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

- Enclosure and cover are fabricated from (14) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Cover is secured to the body with a stainless steel continuous hinge and pin on one side and easy-to-operate stainless steel screw clamps mounted to the opposite side
- Cover has a fixed, oil and water-resistant gasket
- Ground stud provided on cover
- #10-32 weldnuts are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

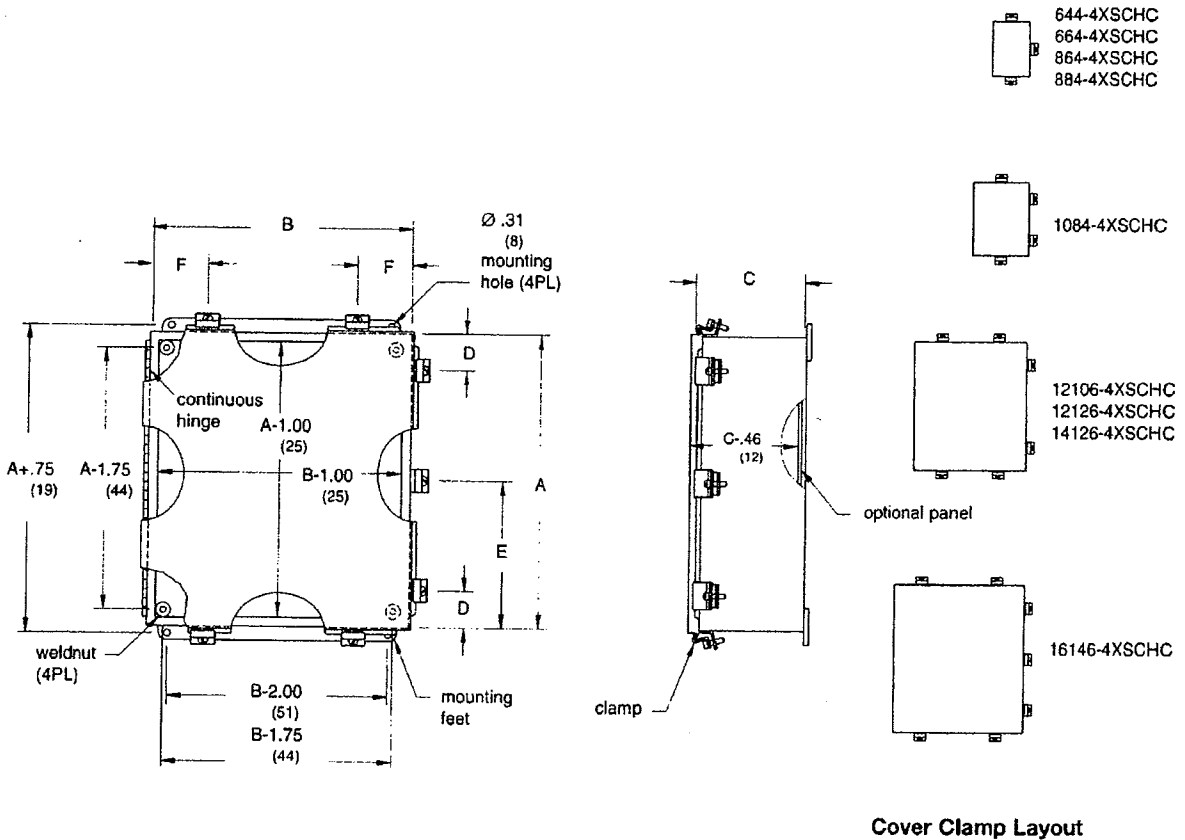
- Panels
- JIC terminal strap kit
- JIC terminal strip kit
- Terminal blocks
- See Accessories section

Type 4X Enclosures

Notes: Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Stainless Steel JIC Continuous Hinge Cover Enclosures Catalog Number

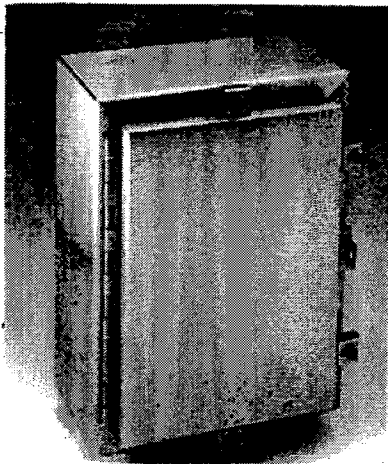
	Enclosure Catalog Number		Enclosure Size		D	E	F	Panel Catalog Number		Panel Size				
	Stainless Steel		A x B x C					Height x Width		Steel	Stainless	Height x Width		
	Type 304	Type 316L	in.	mm				in.	mm			in.	mm	
CS-269 →	644-4XSCHC	644-4XSS6CHC	6.00x4.00x4.00	152x102x102	3.00	76	-	2.00	51	AW64P	AW64SP	4.87x2.87	124x73	
	664-4XSCHC	664-4XSS6CHC	6.00x6.00x4.00	152x152x102	3.00	76	-	3.00	76	AW66P	AW66SP	4.87x4.87	124x124	
	864-4XSCHC	864-4XSS6CHC	8.00x6.00x4.00	203x152x102	4.00	102	-	3.00	76	AW86P	AW86SP	6.87x4.87	174x124	
	884-4XSCHC	884-4XSS6CHC	8.00x8.00x4.00	203x203x102	4.00	102	-	4.00	102	AW88P	AW88SP	6.87x6.87	174x174	
CS-270 →	1084-4XSCHC	1084-4XSS6CHC	10.00x8.00x4.00	254x203x102	2.00	51	-	4.00	102	AW108P	AW108SP	8.87x6.87	225x174	
	12106-4XSCHC	12106-4XSS6CHC	12.00x10.00x6.00	305x254x152	3.00	76	-	2.00	51	AW1210P	AW1210SP	10.87x8.87	276x225	
CS-271 →	12126-4XSCHC	12126-4XSS6CHC	12.00x12.00x6.00	305x305x152	3.00	76	-	3.00	76	AW1212P	AW1212SP	10.87x10.87	276x276	
	14126-4XSCHC	14126-4XSS6CHC	14.00x12.00x6.00	356x305x152	3.00	76	-	3.00	76	AW1412P	AW1412SP	12.87x10.87	327x276	
	16146-4XSCHC	16146-4XSS6CHC	16.00x14.00x6.00	406x356x152	2.00	51	8.00	203	3.00	76	AW1614P	AW1614SP	14.87x12.87	376x327



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

Type 4X Stainless Steel Single-Door Enclosures

Data Sheet



Application

- Houses electrical controls and instruments
- Intended for indoor or outdoor use where a corrosive environment exists
- Protects against corrosion, windblown dust and rain, splashing water and hose directed water

Standards

- UL 508 listed, Type 4X, Type 4, Type 13 and Type 12
- CSA C22.2 No.94 certified, Type 4X, Type 4, Type 13 and Type 12
- Conforms to NEMA standard for Type 4X, Type 4, Type 13 and Type 12
- Conforms to JIC standard EGP-1-1967
- IEC 60529, IP66

Construction

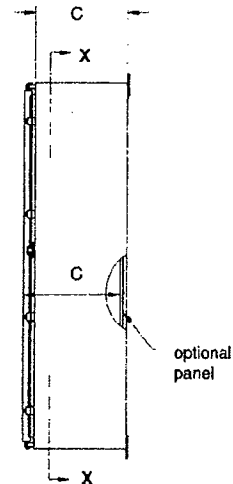
- Enclosure and door are fabricated from (14) gauge, Type 304 or Type 316L stainless steel
- All continuous welded seams are finished smooth
- Doors are secured to the body with a heavy-duty, stainless steel continuous hinge and pin on one side and easy-to-release stainless steel door clamps mounted to the other three sides
- Each door has a padlock hasp with sealing hole provision
- Print pocket provided
- Door has a fixed, oil and water-resistant gasket
- Ground stud provided on door
- Formed lip around enclosure opening diverts liquids and contaminants
- .375-16 collar studs are provided for mounting optional panel
- External mounting feet are provided for secure wall mounting

Finish

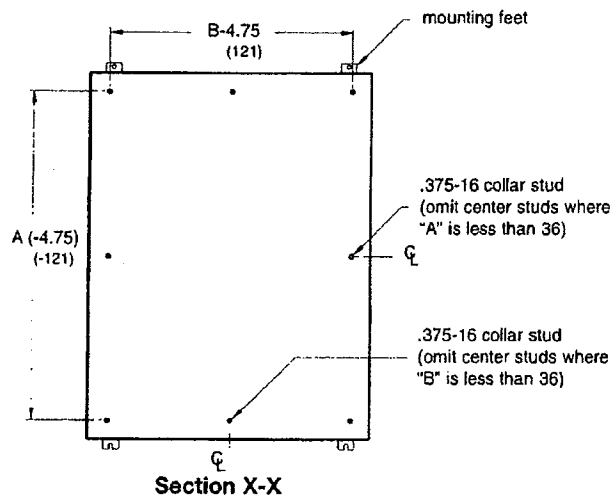
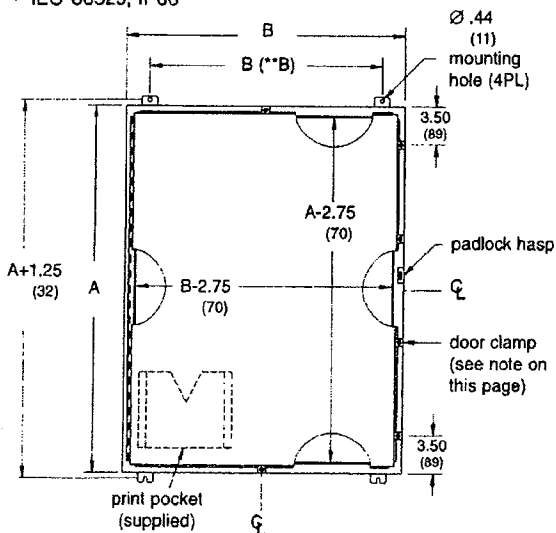
- Outer surface of enclosure and cover has a smooth brushed finish

Accessories

- Panels
- NEMA terminal strap kit
- Terminal blocks
- Floor stand kit
- See Accessories section



Type 4X Enclosures



Notes: Dimensions: **B = (-2.50) if 12 inches wide; (-6.00) if wider than 12 inches.
Cooper B-Line can provide special sizes, finishes and other modifications. Consult the factory for your special requirements.

Type 4X Stainless Steel Single-Door Enclosures Catalog Number

	Enclosure Catalog Number Stainless Steel		Enclosure Size Height x Width x Depth A x B x C		Panel Catalog Number		Panel Size Height x Width	
	Type 304	Type 316L	in.	mm	Steel	Stainless	in.	mm
	16126-4XS	16126-4XSS6	16.00x12.00x6.00	406x305x152	AW1612P	AW1612SP	13.00x9.00	330x229
	16166-4XS	16166-4XSS6	16.00x16.00x6.00	406x406x152	AW1616P	AW1616SP	13.00x13.00	330x330
	16206-4XS	16206-4XSS6	16.00x20.00x6.00	406x508x152	AW2016P	AW2016SP	17.00x13.00	432x330
	20166-4XS	20166-4XSS6	20.00x16.00x6.00	208x406x152	AW2016P	AW2016SP	17.00x13.00	432x330
	20206-4XS	20206-4XSS6	20.00x20.00x6.00	508x508x152	AW2020P	AW2020SP	17.00x17.00	432x432
	24126-4XS	24126-4XSS6	24.00x12.00x6.00	610x305x152	AW2412P	AW2412SP	21.00x9.00	533x229
	24166-4XS	24166-4XSS6	24.00x16.00x6.00	610x406x152	AW2416P	AW2416SP	21.00x13.00	533x330
	24206-4XS	24206-4XSS6	24.00x20.00x6.00	610x508x152	AW2420P	AW2420SP	20.87x16.87	530x428
	24246-4XS	24246-4XSS6	24.00x24.00x6.00	610x610x152	AW2424P	AW2424SP	20.87x20.87	530x530
	30206-4XS	30206-4XSS6	30.00x20.00x6.00	762x610x152	AW3020P	AW3020SP	26.87x16.87	682x428
	30246-4XS	30246-4XSS6	30.00x24.00x6.00	762x610x152	AW3024P	AW3024SP	26.87x20.87	682x530
CS-273	36246-4XS	36246-4XSS6	36.00x24.00x6.00	914x610x152	AW3624P	AW3624SP	32.87x20.87	835x530
	16128-4XS	16128-4XSS6	16.00x12.00x8.00	406x305x203	AW1612P	AW1612SP	13.00x9.00	330x229
	20168-4XS	20168-4XSS6	20.00x16.00x8.00	508x406x203	AW2016P	AW2016SP	17.00x13.00	432x330
	20208-4XS	20208-4XSS6	20.00x20.00x8.00	508x508x203	AW2020P	AW2020SP	17.00x17.00	432x432
	20248-4XS	20248-4XSS6	20.00x24.00x8.00	508x610x203	AW2420P	AW2420SP	32.87x26.87	835x682
	24168-4XS	24168-4XSS6	24.00x16.00x8.00	610x406x203	AW2416P	AW2416SP	21.00x13.00	533x330
CS-272	24208-4XS	24208-4XSS6	24.00x20.00x8.00	610x508x203	AW2420P	AW2420SP	20.87x16.87	530x428
	24248-4XS	24248-4XSS6	24.00x24.00x8.00	610x610x203	AW2424P	AW2424SP	20.87x20.87	530x530
	24308-4XS	24308-4XSS6	24.00x30.00x8.00	610x762x203	AW3024P	AW3024SP	26.87x20.87	682x530
	30208-4XS	30208-4XSS6	30.00x20.00x8.00	762x508x203	AW3020P	AW3020SP	26.87x16.87	682x428
	30248-4XS	30248-4XSS6	30.00x24.00x8.00	762x610x203	AW3024P	AW3024SP	26.87x20.87	682x530
	30308-4XS	30308-4XSS6	30.00x30.00x8.00	762x762x203	AW3030P	AW3030SP	26.87x26.87	682x682
	36248-4XS	36248-4XSS6	36.00x24.00x8.00	914x610x203	AW3624P	AW3624SP	32.87x20.87	835x530
	36308-4XS	36308-4XSS6	36.00x30.00x8.00	914x762x203	AW3630P	AW3630SP	32.87x26.87	835x682
	42308-4XS	42308-4XSS6	42.00x30.00x8.00	1067x762x203	AW4230P	AW4230SP	38.87x26.87	987x682
CS-274	42368-4XS	42368-4XSS6	42.00x36.00x8.00	1067x914x203	AW4236P	AW4236SP	38.87x32.87	987x835
	48368-4XS	48368-4XSS6	48.00x36.00x8.00	1219x914x203	AW4836P	AW4836SP	44.87x32.87	1140x835
	201610-4XS	201610-4XSS6	20.00x16.00x10.00	508x406x254	AW2016P	AW2016SP	17.00x13.00	432x330
	242010-4XS	242010-4XSS6	24.00x20.00x10.00	610x508x254	AW2420P	AW2420SP	20.87x16.87	530x428
	302410-4XS	302410-4XSS6	30.00x24.00x10.00	762x610x254	AW3024P	AW3024SP	26.87x20.87	682x530
	362410-4XS	362410-4XSS6	36.00x24.00x10.00	914x610x254	AW3624P	AW3624SP	32.87x20.87	835x530
	363010-4XS	363010-4XSS6	36.00x30.00x10.00	914x762x254	AW3630P	AW3630SP	32.87x26.87	835x682
	423010-4XS	423010-4XSS6	42.00x30.00x10.00	1067x762x254	AW4230P	AW4230SP	38.87x26.87	987x682
	483010-4XS	483010-4XSS6	48.00x30.00x10.00	1219x762x254	AW4830P	AW4830SP	44.87x26.87	1140x682
	483610-4XS	483610-4XSS6	48.00x36.00x10.00	1219x914x254	AW4836P	AW4836SP	44.87x32.87	1140x835
	603610-4XS	603610-4XSS6	60.00x36.00x10.00	1524x914x254	AW6036P	AW6036SP	56.87x32.87	1444x835
	242412-4XS	242412-4XSS6	24.00x24.00x12.00	610x610x305	AW2424P	AW2424SP	20.87x20.87	530x530
	302412-4XS	302412-4XSS6	30.00x24.00x12.00	762x610x305	AW3024P	AW3024SP	26.87x20.87	682x530
	363012-4XS	363012-4XSS6	36.00x30.00x12.00	914x762x305	AW3630P	AW3630SP	32.87x26.87	835x682
	363612-4XS	363612-4XSS6	36.00x36.00x12.00	914x914x305	AW3636P	AW3636SP	32.87x32.87	835x835
	483612-4XS	483612-4XSS6	48.00x36.00x12.00	1219x914x305	AW4836P	AW4836SP	44.87x32.87	1140x835
	603612-4XS	603612-4XSS6	60.00x36.00x12.00	1524x914x305	AW6036P	AW6036SP	56.87x32.87	1444x835
	302416-4XS	302416-4XSS6	30.00x24.00x16.00	762x610x406	AW3024P	AW3024SP	26.87x20.87	682x530
	362416-4XS	362416-4XSS6	36.00x24.00x16.00	914x610x406	AW3624P	AW3624SP	32.87x20.87	835x530
	363016-4XS	363016-4XSS6	36.00x30.00x16.00	914x762x406	AW3630P	AW3630SP	32.87x26.87	835x682
	483616-4XS	483616-4XSS6	48.00x36.00x16.00	1219x914x406	AW4836P	AW4836SP	44.87x32.87	1140x835
	603616-4XS	603616-4XSS6	60.00x36.00x16.00	1524x914x406	AW6036P	AW6036SP	56.87x32.87	1444x835

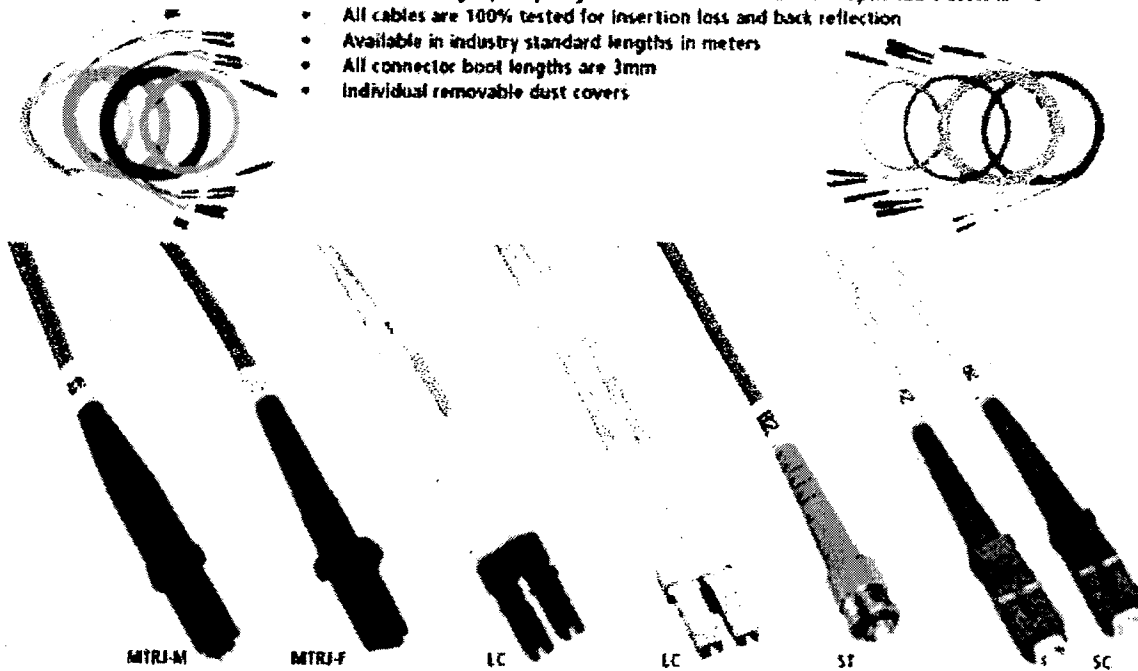
Notes: Clamps are mounted along three sides of the enclosure door. Spacing between clamps along side opposite the hinge does not exceed 15 inches. Dimensions are in inches. Millimeters shown are for reference only. Data subject to change without notice.

Patch Cords

CS-275 through CS-298

Fiber Optic Cable Assemblies

- Full line of high quality single mode and multimode fiber optic cable assemblies
- All cables are 100% tested for insertion loss and back reflection
- Available in industry standard lengths in meters
- All connector boot lengths are 3mm
- Individual removable dust covers



GB S C 2 - D 4 - 03

Connector to Connector Configurations

FC2	FC to FC
FCC	FC to SC
FCT	FC to ST
LC2	LC to LC
LCC	LC to SC
LCT	LC to ST
MF2	MTRJ Female to MTRJ Female
MFC	MTRJ Female to SC
MFL	MTRJ Female to LC
MFT	MTRJ Female to ST
MM2	MTRJ Male to MTRJ Male
MMC	MTRJ Male to SC
MMF	MTRJ Male to MTRJ Female
MMT	MTRJ Male to ST
SC2	SC to SC
ST2	ST to ST
STC	ST to SC

Length

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

Fiber

- 1 - Single Mode 9/125 (Yellow Jacket)
Insertion loss < 0.2dB
- 2 - Multimode 62.5/125 (Orange Jacket)
Insertion loss < 0.3dB
- 3 - Multimode (Only) 50/125 (Blue Jacket)
Insertion loss < 0.3dB
- 4 - Multimode (Only) 50/125 850nm OM3
laser-optimized 10Gb (Aqua Jacket)
Insertion loss < 0.2dB

Cable Type

- S - Simplex
- D - Duplex

Ordering Example

GBSC2-D4-03

10Gb SC to SC duplex 50/125 microns
laser-optimized multimode - 3 Meters

New Products

Modules
Jacks • Inserts

Work Area
Outlets

Telecom
Room

Patch Cords
Copper • Fiber

Video &
Coax

Telephones
Impedance Matching

ADA
Telephones

Telephone
Accessories

Data
Accessories

Technical

Glossary

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ERITECH®

EGBA Series - 1/4" Thick

Grounding Bus Bars

Standard Configurations in Stock

CS-299



Busbars

- 1/4" thick copper
- ASTM B187-C11000
- Electro-tin plating available (add "T" to part number)

Brackets

- Type 304 stainless steel
- 1/8" thick

Insulators (Stand Off)

- Manufactured from a halogen-free, fiberglass-reinforced thermalset polyester molded compound (BMC)
- Meet the requirements of UL® 94 V-0 for self-extinguishing materials
- Indoor rating: 600 volts

Fasteners

- 3/8" Type 304 stainless steel

- All bars shown include insulators, stainless steel brackets, stainless steel mounting bolts, and are UL Listed.

- All illustrations show bars of 12" length. Bars of longer lengths will have additional holes according to the pattern shown.

- Contact ERICO for additional ground bar configurations.

