

Plenum-Gard®

Product Overview

Plenum-Gard® is a nonmetallic corrugated flexible conduit for use in Plenum, Riser and General Purpose applications.

Plenum-Gard® is manufactured from PVDF resin, which is extremely durable and resistant to abrasion and mechanical damage before/after installation.

Plenum-Gard® is listed for Plenum, Riser, General Purpose and other cabling optical fiber/telecommunication applications.

Important:

Installed cables must be plenum rated.

Technical Information

UL Standard 2024	Value
Maximum Flame Propagation	5 ft.
Max. Peak Optical Smoke Density	0.5
Max. Average Optical Smoke Density	0.15

- Storage: -20°C to 70°C (-4°F to 158°F)
- Handling: -20°C to 40°C (-4°F to 104°F)
- No UV protection (not suitable for outdoor use)
- Do NOT store outside



Applications: Plenum, Riser and General Purpose.



Standard Stock - Reels

Cat. No.	Size (in.)	Colour	Pull Tape	Reel Size (F x W) (in.)	Reel Type	Length (ft.)	Reel Wt. (lb.)	Product Wt. per 100 ft. (lb.)
CD4X1C-1500	1/2	Orange	200 lb.	34 x 23	Wood	1500	30	7
CE4X1-1000	3/4	Orange	Empty	34 x 23	Wood	1000	30	8
CE4X1-1000S			Empty	34 x 23	Wood	1000	30	8
CF4X1C-500	1	Orange	900 lb.	34 x 23	Wood	500	30	10
CF4X1C-1000			900 lb.	48 x 28	Wood	1000	79	10
CF4X1C-1500			900 lb.	48 x 28	Wood	1500	79	10
CF4X1C-5200			900 lb.	66 x 41	Wood	5200	250	10
CF4X1C-6500			900 lb.	72 x 41	Wood	6500	310	10
CF4X1C-8000			900 lb.	82 x 41	Wood	8000	365	10
CG4X1C-500	1-1/4	Orange	900 lb.	48 x 28	Wood	500	79	14
CG4X1C-900			900 lb.	48 x 45	Wood	900	96	14
CG4X1C-1600			900 lb.	48 x 45	Wood	1600	96	14
CG4X1C-3200			900 lb.	66 x 41	Wood	3200	250	14
CG4X1C-6500			900 lb.	96 x 41	Wood	6500	700	14
CG4X1C-900S			Empty	48 x 28	Wood	900	79	14
CH4X1C-350	1-1/2	Orange	900 lb.	48 x 28	Wood	350	79	16
CH4X1C-1200			900 lb.	48 x 45	Wood	1200	96	16
CH4X1C-4000			900 lb.	82 x 41	Wood	4000	365	16
CJ4X1C-225			900 lb.	48 x 28	Wood	225	79	21
CJ4X1C-700	2	Orange	900 lb.	48 x 45	Wood	700	96	21
CJ4X1C-2000			900 lb.	82 x 41	Wood	2000	365	21
CJ4X1C-2800			900 lb.	82 x 41	Wood	2800	365	21
CL4X1C-150	3	Orange	900 lb.	48 x 45	Wood	150	96	41

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Features

- Sizes 1/2 in. through 3 in.
- Pre-installed pull tape available in sizes 1/2 in. through 3 in.
- Outside Diameters meet IPS Dimensions
- Footage sequentially marked

Standard Stock – Coils

Cat. No.	Size (in.)	Colour	Pull Tape	Coil Length (ft.)	Product Wt. per 100 ft. (lb.)
CD4X1C-500	1/2	Orange	900 lb.	500	7
CE4X1-350	3/4		Empty	350	8
CE4X1-350S			Empty/Split	350	8
CF4X1C-100	1		900 lb.	100	10
CF4X1-100S			Empty/Split	100	10
CF4X1C-250			900 lb.	250	10
CF4X1-250			Empty	250	10
CF4X1-250S			Empty/Split	250	10
CG4X1C-200	1-1/4		900 lb.	200	14
CG4X1-200S			Empty/Split	200	14
CH4X1C-150	1-1/2		900 lb.	150	16
CH4X1-150S			Empty/Split	150	16
CJ4X1C-100	2		900 lb.	100	21
CJ4X1-100S			Empty/Split	100	21
CL4X1C-150	3		920 lb.	150	24

Specifications

Size (in.)	I.D. Min. Ref. (in.)	Min. O.D. (in.)	Max. O.D. (in.)	Min. Bend Radius (in.)
1/2	0.60	0.815	0.835	2
3/4	0.74	1.025	1.045	2
1	1.00	1.292	1.312	3
1-1/4	1.35	1.630	1.650	3
1-1/2	1.50	1.868	1.888	4
2	2.00	2.329	2.439	4
3	3.00	3.422	3.452	4

How to Build a Catalogue Number:

Position 1 Product	Position 2 Size (in.)	Position 3 Type	Position 4 Wall	Position 5 Colour	Position 6 Pull Line	Position 7 Length
C = Plenum-Gard	D = 1/2 E = 3/4 F = 1 G = 1-1/4 H = 1-1/2 J = 2 L = 3	4 = Corrugated	X = Standard	1 = Orange 2 = Black 3 = Grey 4 = White 5 = Blue 7 = Yellow 8 = Red	C = 900 lb. Tape	Example -1000 = Feet -1000S = 1000 Feet Split

- Custom Orders are not returnable
- Custom lengths are available in minimum order quantities of 1000 ft.
- Custom colour runs are available in minimum order quantities of 10,000 ft.

Options:

- Colour: Black, Blue, Grey, Red, White and Yellow
- Two, three or four way parallel
- Split Duct
- Custom print line