

Riser-Gard

Product overview



Riser-Gard is a nonmetallic flexible raceway for use in riser and general purpose applications. Riser-Gard is available with tape pre-installed.

Riser-Gard is listed for riser, general purpose and other cabling optical fiber/telecommunication applications. Riser-Gard is suitable for use in vertical runs in shaft or between floors, as well as areas other than the plenum.

Applications:

Riser and general purpose.

Important:

Installed cables must be of suitable rating for the application.

- For use in riser and general purpose areas
- Riser-Gard is also suitable for poured concrete
- Not approved for exposed applications
- Available in sizes ¾ in. through 3 in.
- Pull tape can be factory pre-installed in 1 in. through 3 in.
- Outside diameters meet IPS dimensions
- Footage sequentially marked

Technical information

UL Standard 2024	Max. value
Maximum flame propagation	6.0 ft.
Maximum air temperature at 12 ft.	189 °C (372 °F)

- 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

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)
DE4X1-1000	¾	Orange	Empty	34 x 23	Wood	1,000	30	12
DF4X1C-500R	1	Orange	900 lb	43 x 23	Wood	500	56	15
DF4X1C-1000	1	Orange	900 lb	48 x 28	Wood	1,000	79	15
DF4X1C-1500	1	Orange	900 lb	48 x 28	Wood	1,500	79	15
DF4X1C-2700	1	Orange	900 lb	48 x 45	Wood	2,700	96	15
DF4X1C-5200	1	Orange	900 lb	66 x 41	Wood	5,200	250	15
DF4X1C-6500	1	Orange	900 lb	72 x 41	Wood	6,500	310	15
DF4X1C-7000	1	Orange	900 lb	72 x 45	Steel	7,000	148	15
DF4X1C-9400	1	Orange	900 lb	84 x 45	Steel	9,400	199	15
DG4X1C-900	1¼	Orange	900 lb	48 x 28	Wood	900	79	17
DG4X1C-500R	1¼	Orange	900 lb	48 x 23	Wood	500	56	17
DG4X1C-1500	1¼	Orange	900 lb	48 x 45	Wood	1,500	96	17
DG4X1C-1600	1¼	Orange	900 lb	48 x 45	Wood	1,600	96	17
DG4X1C-3200	1¼	Orange	900 lb	66 x 41	Wood	3,200	250	17
DG4X1C-4500	1¼	Orange	900 lb	72 x 45	Steel	4,500	148	17
DG4X1C-5600	1¼	Orange	900 lb	82 x 41	Wood	5,600	365	17
DG4X1C-6500	1¼	Orange	900 lb	96 x 41	Steel	6,500	700	17
DH4X1C-1200	1½	Orange	900 lb	48 x 45	Wood	1,200	96	22
DH4X1C-4000	1½	Orange	900 lb	82 x 45	Steel	4,000	193	22
DH4X1C-4500	1½	Orange	900 lb	84 x 45	Steel	4,500	199	22
DJ4X1C-700	2	Orange	900 lb	48 x 45	Wood	700	96	27
DJ4X1C-2000	2	Orange	900 lb	82 x 41	Wood	2,000	265	27
DJ4X1C-2800	2	Orange	900 lb	84 x 45	Steel	2,800	199	27
DL4X1C-750	3	Orange	900 lb	72 x 41	Wood	750	310	27

Riser-Gard

Features

- Riser-Gard is also suitable for direct burial. Not approved for exposed applications.
- Available in sizes $\frac{3}{4}$ in. through 3 in.
- Pull tape can be factory pre-installed

in 1 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)
DE4X1-350	$\frac{3}{4}$	Orange	Empty	350	12
DF4X1C-125	1	Orange	900 lb	125	15
DF4X1C-250	1	Orange	900 lb	250	15
DF4X1-250	1	Orange	Empty	250	15
DF4X1C-500	1	Orange	900 lb	500	15
DF4X1-250S	1	Orange	Empty/split	250	15
DG4X1-200	$1\frac{1}{4}$	Orange	Empty	200	17
DG4X1-200S	$1\frac{1}{4}$	Orange	Empty/split	200	17
DG4X1C-200	$1\frac{1}{4}$	Orange	900 lb	200	17
DG4X1C-500	$1\frac{1}{4}$	Orange	900 lb	500	17
DH4X1-150S	$1\frac{1}{2}$	Orange	Empty/split	150	22
DH4X1C-150	$1\frac{1}{2}$	Orange	900 lb	150	22
DJ4X1-100S	2	Orange	Empty/split	100	27
DJ4X1C-100	2	Orange	900 lb	100	27
DL4X1C-250	3	Orange	900 lb	250	27

Specifications

Size (in.)	I.D. min. ref. (in.)	Min. O.D. (in.)	Max. O.D. (in.)	Min. bend radius (in.)
$\frac{3}{4}$	0.74	1.025	1.075	5
1	0.98	1.290	1.340	6
$1\frac{1}{4}$	1.31	1.640	1.690	8
$1\frac{1}{2}$	1.54	1.880	1.930	10
2	2.00	2.350	2.400	12
3	3.00	3.422	3.452	18

Custom orders

How to build a catalogue number:

Position 1 product	Position 2 size (in.)	Position 3 configuration	Position 4 wall	Position 5 colour	Position 6 pull line	Position 7 length
D = Riser-Gard	E = $\frac{3}{4}$ F = 1 G = $1\frac{1}{4}$ H = $1\frac{1}{2}$ 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 = 1,000 feet split

- Custom Orders are not returnable
- Custom lengths are available in minimum order quantities of 1,000 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


Riser-Gard

Flexible raceway accessories (approved for low voltage use only)



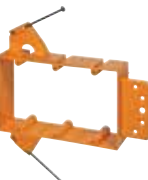
Low voltage add-on bracket

	Cat. no.	Description	Std. ctn. qty.	Std. ctn. wt. (lb)
	SC100SC	1 gang	24	2.3

Low voltage adjustable brackets


	Cat. no.	Size	Std. ctn. qty.	Std. ctn. wt. (lb)
	SC100ADJC	1 gang	24	7.5
	SC200ADJC	2 gang	20	6.9

Low voltage brackets

	Cat. no.	Description	Resi-Rings (in.)	Std. ctn. qty.	Std. ctn. wt. (lb)
	SC100A	1 gang	¾, 1, 1¼	24	5.3
	SC200A	2 gang	¾, 1, 1¼	24	7.7
	SC300A	3 gang	-	5	1.6






Conduit clamps

	Cat. no.	Size (in.)	Std. order qty.	Std. ctn. qty.	Std. ctn. wt. (lb)
	SCE977EC	¾	1 ea. (Equals one bag of 5 clamps)	20 bags of 5	1.5
	SCE977FC	1		12 bags of 5	1.3
	SCE977GC	1¼		8 bags of 5	1.1
	SCE977HC	1½		6 bags of 5	1.0
	SCE977JC	2		6 bags of 5	1.5

Note: Each clamp requires 2 screws, 2 nuts and/or 2 bolts.

Carlson's orange conduit clamps are designed specifically for the installation of Resi-Gard.

Cable clips

	Cat. no.	Size (in.)	Std. order qty.	Std. ctn. qty.	Std. ctn. wt. (lb)
	SC14CC	¾	1 ea. (equals one bag of 100 clips)	10 bags of 100	2.23
	SC12CC	½	1 ea. (equals one bag of 25 clips)	10 bags of 25	2.31
	SC34CC	¾	1 ea. (equals one bag of 10 clips)	20 bags of 10	2.96

Carlson's cable clips with pre-installed nails provide fast and easy installation for either a single cable, 2-3 cables or 1 bundled cable.