# PHYSICAL INFRASTRUCTURE SYSTEMS

B. Copper Systems

C. Fiber Optic Systems

D. Power over Ethernet

E. Zone Cabling

F. Wireless

> G. Outlets

H. Media Distribution

I. Physical Infrastructure Management

Overhead & Underfloor Routing

> K. Surface Raceway

L. Cabinets, Racks & Cable Management

M. Grounding & Bonding

N. Industrial

0. Labeling & Identification

P. Cable Management Accessories

> Q. Index

### 12x4 FiberRunner® Mounting Brackets



FR12TRBE58 FR12TRBE58M



FR12TRBN58 FR12TRBN58M



FR12USB



FR12ALB



FR12CS12 FR12CS58 FR12CS12M FR12CS58M



FR12ACB12 FR12ACB58 FR12ACB12M FR12ACB58M



FR12TB12 FR12TB58 FR12TB12M FR12TB58M

| Part Number      | Part Description  | For<br>Threaded<br>Rod Size | Std.<br>Pkg.<br>Qty. | Ctn |
|------------------|---|-----------------------------|----------------------|-----|
| Existing Threade | d Rod QuikLock™ Bracket for 12x4 System   |                             |                      |     |
| FR12TRBE58       | Used to support the 12x4 system from existing threaded rod installations. Bracket is secured to threaded rod with two split nuts. The pre-assembled   | 5/8"                        | 1                    |     |
| FR12TRBE58M      | slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.   | 16mm                        | 1                    | _   |
| New Threaded Re  | od QuikLock™ Bracket for 12x4 System  |                             |                      |     |
| FR12TRBN58       | Used to support the 12x4 system from new threaded rod installations. Bracket is secured to threaded rod   | 5/8"                        | 1                    |     |
| FR12TRBN58M      | with two split nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.  | 16mm                        | 1                    | -   |
| Underfloor Pedes | stal QuikLock™ Bracket for 12x4 System  |                             |                      |     |
| FR12USB          | Used to support the 12x4 system by attaching to underfloor pedestals. (Contains all necessary hardware.) Use on pedestals up to 2" in diameter. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps.   | _                           | 1                    |     |
| Adjustable Ladde | er QuikLock™ Bracket for 12x4 System  |                             |                      |     |
| FR12ALB          | Used to support the 12x4 system attaching to any 3/8" (9.5mm) x 1 1/2" (38.1mm) or 3/8" (9.5mm) x 2" (50.8mm) ladder rack rail. Adjustable to nine incremental positions from 4" (101mm) to 12" (305mm) above or below the ladder rack. No threaded rod required. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps. | _                           | 1                    |     |
| Center Support ( | QuikLock™ Bracket for 12x4 System   |                             |                      |     |
| FR12CS12         | Used to support the 12x4 system from below with   | 1/2"                        | 1                    | _   |
| FR12CS58         | new threaded rod. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable   | 5/8"                        | 1                    | _   |
| FR12CS12M        | fast assembly to channel. Use 7/16" nut driver on slide clamps. Also can be secured directly to the top   | 12mm                        | 1                    | _   |
| FR12CS58M        | of cabinets.  | 16mm                        | 1                    | _   |
| Ton Support Adi  | ustable "C" QuikLock™ Bracket for 12x4 System   | n                           |                      |     |
| FR12ACB12        | Used to support the 12x4 system from any new  | 1/2"                        | 1                    | _   |
| FR12ACB58        | threaded rod extending down directly from the ceiling, grid, or ladder rack system. Two position height adjustments to accommodate system with or without hinged cover. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on   | 5/8"                        | 1                    | _   |
| FR12ACB12M       |   | 12mm                        | 1                    | -   |
| FR12ACB58M       | slide clamps.   | 16mm                        | 1                    | _   |
| Trapeze Quikl oc | k <sup>™</sup> Bracket for 12x4 System  |                             | 1                    |     |
| FR12TB12         | Used to support the 12x4 system by spanning two   | 1/2"                        | 1                    | _   |

threaded rod drops that are 18" apart. Can be

7/16" nut driver on slide clamps.

installed from above or below. Bracket is secured to each threaded rod with two nuts. The pre-assembled

slide clamps enable fast assembly to channel. Use

FR12TB58

FR12TB12M

FR12TB58M

5/8"

12mm

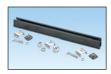
16mm

1

1

| 28 |  | No. |
|----|--|-----|
| П  |  |     |
| Ш  |  |     |

FR12ACAB



FR4PRB58



F2PCLB12 F2PCLB58



FRAFC58



FR12BS-L



| Part Number      | Part Description   | For<br>Threaded<br>Rod Size |   | Std.<br>Ctn.<br>Qty. |
|------------------|--|-----------------------------|---|----------------------|
| Adjustable Cabin | et QuikLock™ Bracket for 12x4 System   |                             |   |                      |
| FR12ACAB         | Used to support the 12x4 system, dual 6x4, or dual 4x4 systems attaching to the top of cabinets. Adjustable from 4 1/4" (108mm) to 12" (305mm) allowing runs to be leveled over uneven cabinet heights. Also allows spillouts such as vertical tee to be positioned directly over cable inlets on cabinet tops. Bracket is secured to the cabinet frame with through bolts (not included). The pre-assembled slide clamps enable fast assembly to channel. Use 7/16" nut driver on slide clamps. | _                           | 1 | _                    |

| 4 Post Rack Bracket |   |      |   |  |  |  |
|---------------------|---|------|---|--|--|--|
| FR4PRB58            | Used to support 12x4, 6x4, and 4x4 systems attaching to the top of the 19" wide version of the Panduit NF4PR84 4 post rack. Contains all hardware required to assemble bracket to the top of the 4 post rack. Bracket accepts 5/8" threaded rod | 5/8" | 1 |  |  |  |

| Two Diese Ladder Dook Procket for Attaching T | broaded Ded to 1 1/0" 0" |
|---|--------------------------|
| Two-Piece Ladder Rack Bracket for Attaching T | nreaded Rod to 1 1/2 - 2 |
| Ladder Rack                                   |                          |
| Lauder Hack                                   |                          |

| F2PCLB12 | Two-piece bracket attaches to 3/8" (9.5mm) wide x 1 1/2" (38.1mm) or 3/8" (9.5mm) wide x 2" (50.8mm) ladder rack rail. Bracket halves slide into position and clamp together on the ladder rack rail, which allows for a one-handed assembly of the threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack. | 1/2" | 1 | 10 |
|----------|--|------|---|----|
| F2PCLB58 |  | 5/8" | 1 | 10 |

#### Two-Piece Framing Clip for Attaching 5/8" Threaded Rod to 2" x 9/16" C-Channel **Auxiliary Framing Bars**

| FRAFC58 | Two-piece framing clip attaches to auxiliary framing bars. Framing clip halves slide into position and interlock on the auxiliary framing bars, allowing easier assembly of the threaded rod to bars. Contains two-piece framing clip and hardware for attaching framing clip to auxiliary framing bars. (5/8" threaded rod not included.) | 5/8" | 1 | 10 |  |
|---------|--|------|---|----|--|
|---------|--|------|---|----|--|

#### Self-Tapping Screws for 12x4 Brackets

(not included).

| FR12BS-L  Self-tapping screws allow selected 12x4 fittings to be fastened directly to mounting brackets for additional support. Screws tap directly into those 12x4 fittings that have plastic bosses. Those part numbers are FRRA12X4YL, FRH4512X4YL, FRT12X4YL, FRT12X4W6YL, FRFWC12X4YL, FRFWC12X4YL, FRFWC12X4W6YL, FRVT12X4YL, FRFRF126RYL and FRRF126LYL. | _ | 50 | 500 |  |
|---|---|----|-----|--|
|---|---|----|-----|--|

#### 1/4" T-Bolt Kit

| FRTBKT-X | T-bolts can be used for additional attachment when securing FiberRunner® Channel to mounting brackets. For example, a T-bolt can be inserted thru a 12x4 mounting bracket and positioned within the center rib structure on the underside of 12x4 channel. By tightening the nut, the 12x4 channel is more securely fastened to the mounting bracket. | _ | 10 | 100 |
|----------|---|---|----|-----|

Copper Systems

C. Fiber **Optic** Systems

D. Power over Ethernet

E. Zone Cabling

Wireless

G. **Outlets** 

Media Distribution

I. Physical Infrastructure Management

Overhead & Underfloor Routing

> Surface Raceway

Cabinets, Racks & Cable Management

Grounding & **Bonding** 

Industrial

Labeling & Identification

Cable Management Accessories

> Q. Index

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Wire Ducting & Raceways category:

Click to view products by Panduit manufacturer:

Other Similar products are found below:

FG5EI25-A PED12 PED8 PEVEP FXOE3-10M3 FZD3-3M2 FZLE10-10M2 FZOE10-10M1 FZOLE10-10M2 FZPE3-10M2 923223-000
PRAF6WH-X A0405538 1301150342 1301230083 1301150343 1301230086 1301240054 AX101472 AX102652 AX102653 AX102737
S62DS S65DS S75DSH A0405536 A0405537 A0649869 FXOD3-3M1 FXOE10-10M2 FZLD3-3M2 FZOE3-10M1 FZOE3-10M2
FZOLE3-10M2 FZOPE10-10M1 FZPD3-3M2 PZRFE4 PZWIFIEN PZWIFIENA CNPSNH CNSPC 5400ES WDLT-1216-72 655287-000
S75DS 1301180028 801A-LSP TGECAW 206461-000 853425-000