

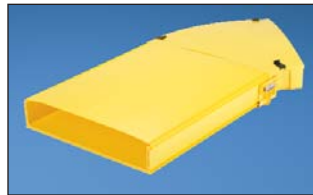
FiberRunner® 24x4 Routing System

PANDUIT®

SPECIFICATION SHEET

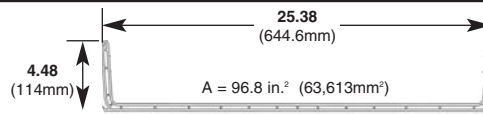
specifications

The 24x4 routing system shall be a system of channel, fittings, covers, and brackets designed to segregate, route, and protect fiber optic and high performance copper cabling. Channel and fittings shall be installed using pre-assembled couplers. Fittings maintain a minimum 3" bend radius to protect against signal loss due to excessive cable bends. Available system colors shall be yellow, orange, and black. Brackets shall be available for attaching system components to 1/2" threaded rod.



technical information

Dimensions are in inches
(Dimensions in parentheses are metric)



| Open channel 50% fill capacity (4" pile up) | Cable | No. of Cables |
|---|--|---------------|
| | 1.6mm | 15,820 |
| | 2.0mm | 10,124 |
| | 3.0mm | 4500 |
| Fiber Optic | | |
| Ribbon Interconnect | 5.20mm | 1494 |
| Category 6 | 6.35mm | 1004 |
| Category 6A | 7.75mm | 707 |
| Material: | Rigid PVC (channel), ABS (fittings) | |
| Flammability: | 94V-0 | |
| Approvals: | UL Listed to 2024A Optical Fiber Cable Routing Assemblies (Does not include 24x4 covers) RoHs | |
| CSI spec form: | LP-CSISPEC-FR | |

key features and benefits

| | |
|---|---|
| Rigid one-piece construction | Molded and extruded solid components increase the strength and integrity of the system; reduces cost of ownership and enhances network reliability |
| Channel length | Solid one-piece channel is provided in 10' lengths, reducing the use of couplers and simplifying installation |
| Channel covers | Snap-on channel cover is provided in four 30" lengths (totaling 10') to facilitate rapid cover installation and ease of handling |
| QuikLock™ Couplers and Brackets | No bolts need to be tightened and no tools are required when installing the QuikLock™ Couplers; ready to use right from the package; speeds installation and reduces cost |
| Wide selection of directional fittings and spillouts | Offers multiple configuration options; provides design flexibility and scalability to meet wide range of applications. |
| Fitting covers | Channel and fitting covers protect cabling and provide fast and easy access for future cabling moves, adds, and changes |
| Cable protection | A minimum 3" bend radius maintained throughout all fittings prevents excessive bends in fiber optic cabling |

applications

The FiberRunner® 24x4 Routing System is a system of channel, fittings, covers, and brackets designed to route, manage, and protect fiber optic and high performance copper cabling above network racks and cabinets within data centers and service provider facilities. Because of its larger capacity, the 24x4 system is used to route higher cable counts. Channel and fittings are assembled using timesaving Panduit® QuikLock™ Couplers. Fittings maintain a 3" bend radius to protect against signal loss due to

excessive cable bends. Available system colors are yellow, orange, and black to differentiate various types of cabling. The FiberRunner® 24x4 Routing System is part of the Panduit complete fiber distribution system, which includes the FiberRunner® 12x4, 6x4, 4x4, and 2x2 Routing Systems, the Fiber-Duct™ 4x4 and 2x2 Routing Systems, Wyr-Grid™ Overhead Cable Tray System and cable management products and racks.

Channel and Cover

| | |
|----------------------------------|------------|
| 24x4 channel (10'): | FR24X4**10 |
| 24x4 snap-on cover (10'): | FRCV24**10 |

Fittings, Covers, and Spillouts

| | |
|---|----------------|
| QuikLock™ Coupler: | FRBC24X4** |
| Horizontal tee with 12" exits: | FRT24X4W12** |
| Horizontal tee with 12" exits cover: | FRTC24W12** |
| Horizontal 45°: | FRH4524X4** |
| Horizontal 45° cover: | FRH45CV24** |
| Inside vertical 45°: | FRIV4524X4** |
| Outside vertical 45°: | FROV4524X4** |
| Outside vertical 45° cover: | FROV45CV24** |
| 4-way cross: | FRFWC24X4** |
| 4-way cross cover: | FRFWCCV24** |
| 4-way cross with 12" exits: | FRFWC24X4W12** |
| 4-way cross with 12" exits cover: | FRFWCCV24W12** |
| End cap: | FREC24X4** |
| 24" to 12" reducer: | FRRF2412** |
| 24" to 12" reducer cover: | FRRF2412CV** |
| Spill-over with 4x4 exit: | FRSPJ4X4** |
| Spill-over with 2x2 exit: | FRSPJ2X2** |
| 3-sided BRC trumpet for 24x4 exit: | FRTR24X4** |

Mounting Brackets

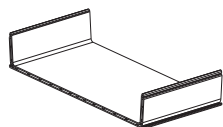
| | |
|---|-----------|
| Trapeze bracket for new 1/2" threaded rod: | FR24TBN12 |
| Trapeze bracket for existing 1/2" threaded rod: | FR24TBE12 |
| Strut clip kit: | FRSTRCLIP |
| Two-piece ladder rack bracket for 1/2" threaded rod: | F2PCLB12 |

**Substitute YL = Yellow, OR = Orange, BL = Black.

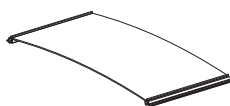
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FiberRunner® 24x4 Routing System

Channel and Cover

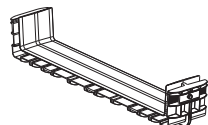


FR24X410**

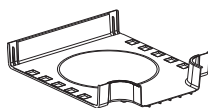


FRCV2410**

Fittings, Covers, and Spillouts



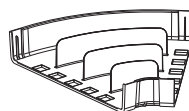
FRBC24X4**



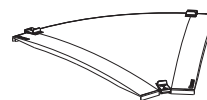
FRT24X4W12**



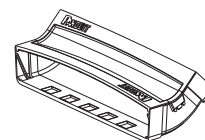
FRTC24W12**



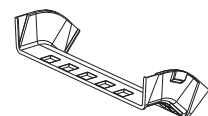
FRH4524X4**



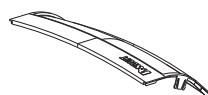
FRH45CV24**



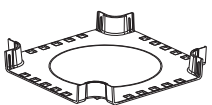
FRIV4524X4**



FROV4524X4**



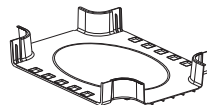
FROV45CV24**



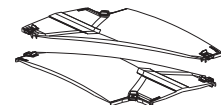
FRFWC24X4



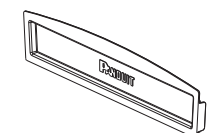
FRFWCCV24**



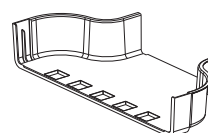
FRFWC24X4W12**



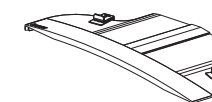
FRFWCCV24W12**



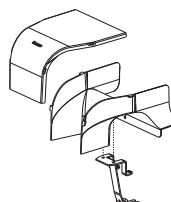
FREC24X4**



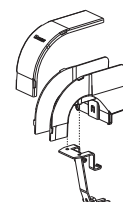
FRRF2412**



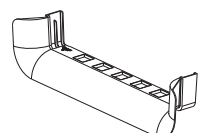
FRRF2412CV**



FRSPJ4X4
(2" bend radius)**

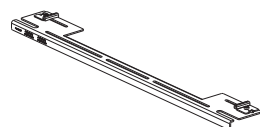


FRSPJ2X2
(2" bend radius)**

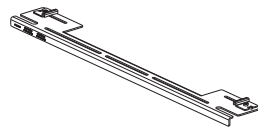


FRTR24X4**

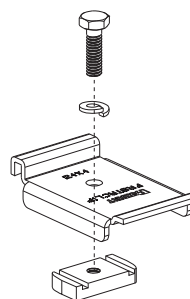
Brackets



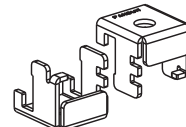
FR24TBN12



FR24TBE12



FRSTRCLIP



F2PCLB12

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