

FiberRunner® 24x4 Routing System

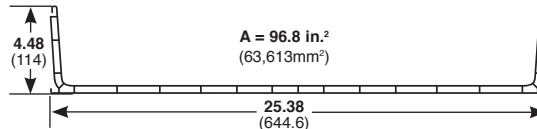
specifications

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 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	4,500
Fiber Optic Ribbon		
Interconnect	5.20mm	1,494
Category 6	6.35mm	1,004
Category 6A	7.75mm	707
Material:	Rigid PVC (Channel), PC/ABS (Fittings)	
Flammability:	94V-0	
Approvals:	UL Listed to 2024 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.

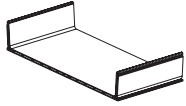
Available system colors are yellow and black to differentiate various types of cabling. The FiberRunner® 24x4 Routing System is part of the Panduit® complete fiber distribution system, which includes the FiberRunner® 12x4, 6x4, 4x4, and 2x2 Routing Systems, Wyr-Grid™ Overhead Cable Tray System and cable 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:	FRBC24X4L**
Horizontal tee with 12" exits:	FRT24X4W12L**
Horizontal tee with 12" exits cover:	FRTC24W12L**
Horizontal 45°:	FRH4524X4L**
Horizontal 45° cover:	FRH45CV24L**
Inside vertical 45°:	FRIV4524X4L**
Outside vertical 45°:	FROV4524X4L**
Outside vertical 45° cover:	FROV45CV24L**
4-way cross:	FRFWC24X4L**
4-way cross cover:	FRFWCC24L**
4-way cross with 12" exits:	FRFWC24X4W12L**
4-way cross with 12" exits cover:	FRFWCC24W12L**
End cap:	FREC24X4L**
24" to 12" reducer:	FRRF2412L**
24" to 12" reducer cover:	FRRF2412CVL**
Spill-over with 4x4 exit:	FRSPJ4X4L**
Spill-over with 2x2 exit:	FRSPJ2X2L**
3-sided BRC trumpet for 24x4 exit:	FRTR24X4L**
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

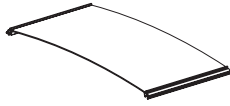
**Substitute YL= Yellow, BL= Black

FiberRunner® 24x4 Routing System

channel and cover

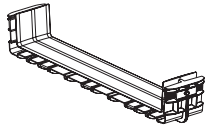


FR24X4**10

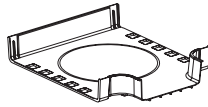


FRCV24**10

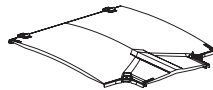
fittings, split covers, and spillouts



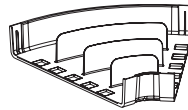
FRBC24X4L**



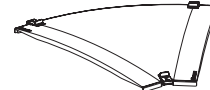
FRT24X4W12L**



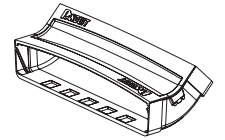
FRTC24W12L**



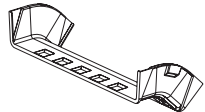
FRH4524X4L**



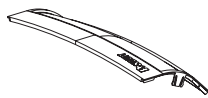
FRH45CV24L**



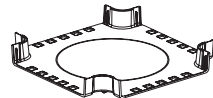
FRIV4524X4L**



FROV4524X4L**



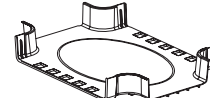
FROV45CV24L**



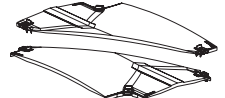
FRFWC24X4L**



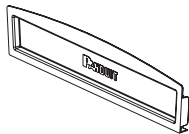
FRFWCC24L**



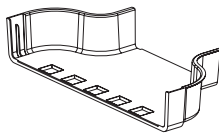
FRFWC24X4W12L**



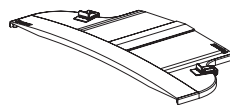
FRFWCC24W12L**



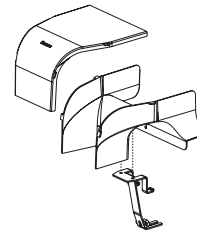
FREC24X4L**



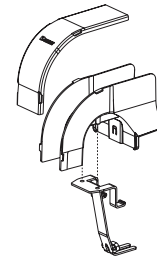
FRRF2412L**



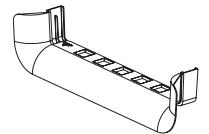
FRRF2412CVL**



FRSPJ4X4L**
(2" bend radius)

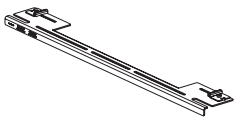


FRSPJ2X2L**
(2" bend radius)

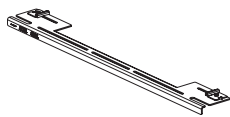


FRTR24X4L**

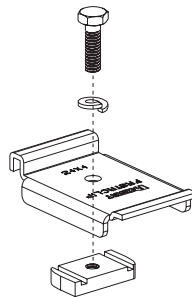
mounting brackets



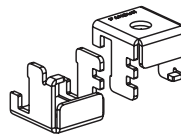
FR24TBN12



FR24TBE12



FRSTRCLIP



F2PCLB12

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