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PANDUIT®

PHYSICAL INFRASTRUCTURE SYSTEMS

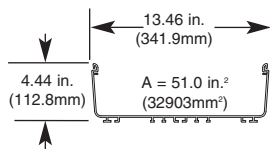## 12x4 FiberRunner® Routing System

Cable Fills for 12x4 FiberRunner® Routing System

The maximum amounts may vary according to the cable fill installation methods, straightness of cables, etc.

13.46 in. (341.9mm)

4.44 in. (112.8mm)

A = 51.0 in.² (32903mm²)

					12x4 FiberRunner® Cable Routing System			
Fill/Pile Up	Internal Area (in²)	Diameter 1.6mm 0.063"	Diameter 2.0mm 0.079"	Diameter 3.0mm 0.118"	Fiber Optic Ribbon Interconnect Cable Diameter 5.20mm 0.205"	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"
40% Fill								
2" Pile Up	25.7	3299	2111	938	311	227	147	209
3" Pile Up	38.8	4980	3187	1417	470	343	223	316
4" Pile Up	51	6546	4189	1862	618	451	292	416
50% Fill								
2" Pile Up	25.7	4124	2639	1173	389	284	184	262
3" Pile Up	38.8	6225	3984	1771	588	429	278	395
4" Pile Up	51	8183	5237	2327	773	564	366	519
60% Fill								
2" Pile Up	25.7	4948	3167	1407	467	341	221	314
3" Pile Up	38.8	7470	4781	2125	705	515	334	474
4" Pile Up	51	9819	6284	2793	927	676	439	623

Channel cutting instructions: For optimum results, use a miter box and saw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: Carbide 80T and 100T; .090" thickness, .125" kerf.

The above cable diameters represent the nominal Panduit cable diameter per performance level.
For specific cable fill information based on specific part numbers, please contact Panduit customer service.

12x4 FiberRunner® Routing System – Channel and Cover

• Robust, large capacity 12x4 system ideal for use with large cable counts
• Multiple spillout options provide versatility to mate to various equipment and rack configurations
• QuikLock™ Couplers and Brackets reduce system installation time dramatically
• Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material

• Compatible with all sizes of Panduit® FiberRunner® and Panduit® Fiber-Duct™ Routing Systems, cable management, and racks
• Compliant with the applicable tests in Telcordia GR-63-CORE Network Equipment Building Systems (NEBS) Level 3

FR12X4

FRHC12

FRCR12BL-X

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
12x4 FiberRunner® Channel			
FR12X4YL6	Used to carry the cables horizontally throughout the system. Accepts cable retainers FRCR12BL-X or hinged cover FRHC12YL6. Use QuikLock™ Coupler FRBC12X4YL to attach channel and/or fittings.	6	12
12x4 Snap-On Hinged Cover			
FRHC12YL6	Optional snap-on hinged cover for channel FR12X4YL6. Can be folded down for height restricted areas.	6	12
Cable Retainer for 12x4 System			
FRCR12BL-X	Cable retainer holds cable in the channel when cover is not used. Install anywhere on channel, near the coupler or every 18" (457mm). Black color only.	10	100

For other colors replace YL (Yellow) with OR (Orange) or BL (Black).
Order number of feet required, in multiples of standard 6' length increments.
Order number of cable retainers required, in multiples of Standard Package Quantity.

Order number of pieces required, in multiples of Standard Package Quantity.

Prime items appear in **BOLD**.

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