

# SmartRoute

## 1RU 24 Port Panel



### Application

The SmartRoute 1RU 24 Port Panel is designed to simplify and speed up fiber installations when landing 24 to 48 fibers in any interconnect or cross-connect environment. Clearfield's SmartRoute Panel combines micro distribution cable, spooling technology and MPO connectorization in a single panel to help relieve cable congestion, simplify ordering and eliminate incorrect cable lengths for IFC/OSP cable assemblies while saving labor and installation costs.

The SmartRoute Panel combines two separate, but critical fiber connectivity elements: the intermediate fiber panel and the IFC or OSP fiber cable assembly into one easy-to-deploy unit. The dual internal SmartRoute spools give installers an opportunity to use both indoor riser micro cable and FieldShield® fiber in one panel. Or if your network is comprised of both singlemode and multimode fiber, the SmartRoute Panel can be configured with singlemode fiber on one spool and multimode fiber on the second spool. The spools are independent from each other and can be deployed in opposite directions. It's like having two small count fiber panels in one.

Clearfield® is first-to-market in offering a 1RU LC 48 port panel with two internal spools, bringing the ease of deployment to a whole new level. The internal spools are replaceable and interchangeable. The far-end or cabled end can be configured with MPO connectors or breakouts with industry standard fiber connectors or even a stub end if splicing is preferred.



### Description

The SmartRoute Panel combines micro-distribution cable, spooling technology and MPO connectorization in a single panel to help relieve cable congestion, simplify ordering and eliminate incorrect cable lengths for IFC/OSP cable assemblies while also saving labor and installation costs. SmartRoute Panels contain two internal spools that can hold up to 200 feet each of 3 mm, 12-fiber micro cable or FieldShield cable. The panel can provide 24 SC or 48 LC connections in front and MPO, plug-and-play, SC/LC breakouts or pigtailed on the cable far end.

Additionally, the SmartRoute Panel is designed for FieldShield cable, which makes this panel an ideal solution for cell sites, cell towers and other applications where fiber is exposed to the elements. Used in conjunction with FieldShield ruggedized microduct, this panel is the perfect support to any task no matter the elements or conditions (including direct bury and inside plant "last mile" needs).

### Features and Benefits

#### Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield FiberDeep® Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- Supports all industry standard singlemode and multimode connectors

#### Protection

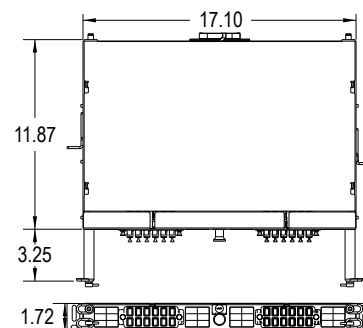
- SmartRoute spool technology allows an installer to payout the exact amount of cable required from the panel, leaving the remaining slack safely stored within the panel
- Individual radius fingers organize and intuitively manage fiber jumpers
- Removable front protection provides physical fiber protection reducing service interruptions

#### Access

- Straight forward, simple design means installation crews spend less time figuring out how to deploy
- Dual spools can be pulled independently, one spool can be deployed in one direction while the other spool can be deployed with cable in the opposite direction
- For larger applications, the tool-less removable cover allows SmartRoute expansion spools to deploy cable lengths up to 1,000 feet
- Removable front adapter plates provide access to pre-terminated assemblies for testing, cleaning, and maintenance

#### Investment

- Pre-connectorized options eliminate splice labor and speed network construction
- Internal cable spools reduce upfront deployment costs by simplifying site survey inspections, reducing labor hours and streamlining cable deployment
- Micro distribution cable, provides an instant 85% space savings within ladder racking, when compared to standard IFC cable



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### Technical Specifications

SmartRoute 1RU 24 Port Panel	
Dimensions	1.75" H x 17.1" W x 11.87" D
Mounting Options	19" or 23" mountable
Adjustable Mounting	1", 2", 3" and 5" recess
Front Protection	3.25" radius fingers
Drawer Access	Drawer slides 8.1" for ultimate access
Connector Types	Supports industry standard SC and LC singlemode/multimode connectors
Port Density	24 ports = SC/UPC or SC/APC; 48 ports = LC/UPC or LC/APC
Cabled End	SC and LC Breakouts, MPO or Pigtail
Maximum Internal Spool Cable Length	3 mm 12-fiber micro cable = 200 feet 4 mm 24-fiber micro cable = 125 feet
Maximum Expansion Spool Cable Length	3 mm 12-fiber micro cable = 1,000 feet 4 mm 24-fiber micro cable = 725 feet

### Configured Part Numbers

Front Panel Left Side				Rear Spool Left Side				Front Panel Right Side				Rear Spool Right Side							
S	R	1	-	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>1 Left Front Panel Connector Type</b> A = SC/UPC C = SC/APC F = LC/UPC duplex H = LC/APC duplex				<b>7 Left Rear Upjacketing</b> A = 900 um B = 2 mm Z = None				<b>12 Right Port Count</b> 1 = 12 2 = 24 (LC only)											
<b>2 Left Mode &amp; Type</b> 1 = SM stranded non-ribbon				<b>8 Left Side Length</b> 1 = 25 feet 2 = 50 feet 3 = 75 feet 4 = 100 feet 5 = 125 feet 6 = 150 feet 7 = 175 feet 8 = 200 feet				<b>13 Right Rear Connector Type</b> A = SC/UPC C = SC/APC E = LC/UPC simplex G = LC/APC simplex 6 = MPO female Z = None											
<b>3 Left Jacket Construction</b> Y = Indoor riser IFC W = FieldShield (12F 3 mm and 24F 4 mm)				<b>9 Right Front Panel Connector Type</b> A = SC/UPC C = SC/APC F = LC/UPC duplex H = LC/APC duplex				<b>14 Right Rear Break-out</b> B = 1 meter C = ½ meter Z = None											
<b>4 Left Port Count</b> 1 = 12 2 = 24 (LC only)				<b>10 Right Mode &amp; Type</b> 1 = SM stranded non-ribbon				<b>15 Right Rear Upjacketing</b> A = 900 um B = 2 mm Z = None P = Pulling eye											
<b>5 Left Rear Connector Type</b> A = SC/UPC C = SC/APC E = LC/UPC simplex G = LC/APC simplex 6 = MPO female Z = None				<b>11 Right Jacket Construction</b> Y = Indoor riser IFC W = 24 (LC Only)				<b>16 Rear Spool Right Side Length</b> 1 = 25 feet 2 = 50 feet 3 = 75 feet 4 = 100 feet 5 = 125 feet 6 = 150 feet 7 = 175 feet 8 = 200 feet											
<b>6 Left Rear Break-out</b> B = 1 meter C = ½ meter Z = None P = Pulling eye																			