Rapid Fiber Panel Series
Fiber Termination Panels with RapidReel Fiber Cable Spools
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The Rapid Fiber panel is an important innovation in the fiber optic panel market. Serving as a key distribution point between the active equipment and the main optical distribution frame, the Rapid Fiber panel offers service providers unmatched savings in installation time, labor costs and performance.

Rapid Fiber panels utilize CommScope’s unique RapidReel fiber cable spools so the cable is always the right length. Available to store up to 100’ of cable inside the panel up to 1000’ of total cable length, the cable terminates to a single fiber breakout (SC or LC) or MPO which enables a plug-and-play connection to the main distribution frame or other point of connection. Stub-end cable options are available for splicing at the far end. The Rapid Fiber panel connector options and cables ensure fast cable routing and easy handling by technicians; and offers maximum space savings for high density fiber applications.

The Rapid Fiber panel’s combination of cable, RapidReel spooling and connector technology in a single panel not only relieves cable congestion but also simplifies the ordering and inventory of equipment. The panel also features CommScope’s industry-leading cable management—providing bend radius protection, intuitive cable routing paths and excellent physical protection for optimal network performance. Panels are available with SC or LC connectors on the front, singlemode or multimode, and Indoor/Outdoor or Plenum cable with single fiber breakouts (SC or LC), MPO’s or stubs on the far-end.

**Benefits**

- **Cost Savings:** RapidReel cable spools reduce upfront deployment costs by simplifying site survey inspections, reducing labor hours and streamlining cable deployment.
- **Speed of Deployment:** Pre-connectorized, plug-and-play solution eliminates splice labor requirements and speeds network construction.
- **Access:** Technician-friendly, front-facing interface ensures trouble-free maintenance and fast service turn-ups.
- **Simplified Ordering:** All-in-one panel, cable and slack storage solution simplifies ordering and stocking requirements.
- **Space Savings – Rack Density:** Compact low loss MPO connector design and multi-fiber cable is ideal for high density intrafacility applications. Excess fiber is stored within unit – no additional enclosures are required.
- **Space Savings – Overhead:** Each Rapid Fiber panel cable is the equivalent of 24 fiber jumpers—resulting in 70% space savings within FiberGuide cable management compared to 1.7 mm jumpers, and 85% space savings within ladder racking compared to standard IFC cable.
- **Performance:** Offers superior cable management with highly reliable connectors for uninterrupted network operation and high quality of service.
The Rapid Fiber panel incorporates the latest panel, cable and connector technology—and can help drive down total cost of installation by as much as 25%.

**Key features:**

**Panel**

- RapidReel fiber cable spools ensure IFC cable is always the right length; available up to 100' increments (up to 1000')
- Spool assembly is equipped with a pulling eye for easy cable routing and installation
- Mounting brackets allow 19" or 23" rack installation
- Meets UL 1863 and NEBS Level 3 requirements for central office applications
- Seamlessly integrates with plug-and-play equipment such as CommScope’s NG3, NGF, LGX and FDF fiber frames; or
- Any fiber frame equipment

**Cable Types**

- Dual 12-fiber 3.6 mm singlemode indoor/outdoor cable; or
- Dual 12-fiber 3.0 mm plenum rated cable
- Single fiber breakout with pulling sock; or
- 24f 3.0mm plenum rated cable on 288f 4RU
- Cable stubs come with a pulling eye
- GR 409 compliant, robust microcable design to fit a variety of applications and environments
- Reduced bend radius fiber technology provides cable protection and reduces concerns around proper handling, slack storage, and attenuation loss from tight bends

**Connectors**

- Cable can be terminated to single fiber breakouts with SC/LC connectors or MPO connectors
- Panel available with singlemode SC/LC connectors
- Low MPO and SC/LC connector insertion loss and return loss minimizes impact on link loss budget
- Optical connectors designed and tested to GR 326 and GR 1435

**Applications**

- Central Offices
- Switch Centers
- Data Centers
- Intermediate frames and panels
- Co-location environments
- Cell Sites
- Intra-building networks
Rapid Fiber Panel Series
Overview

Specifications

<table>
<thead>
<tr>
<th>Mounting width:</th>
<th>1 RU (1.75&quot;)</th>
<th>3 RU (5.25&quot;)</th>
<th>4 RU (7&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-inch or 23-inch, EIA or WECO</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Recess options:</th>
<th>1 RU (1.75&quot;)</th>
<th>3 RU (5.25&quot;)</th>
<th>4 RU (7&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2, 4 or 5 inches (5.08, 10.16 or 12.7 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spool assemblies per panel:</th>
<th>1 RU (1.75&quot;)</th>
<th>3 RU (5.25&quot;)</th>
<th>4 RU (7&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connector types available on panel:</th>
<th>1 RU (1.75&quot;)</th>
<th>3 RU (5.25&quot;)</th>
<th>4 RU (7&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC or LC</td>
<td>SC or LC</td>
<td>SC or LC</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ports per spool assembly:</th>
<th>1 RU (1.75&quot;)</th>
<th>3 RU (5.25&quot;)</th>
<th>4 RU (7&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC=24, LC=48</td>
<td>SC=24, LC=48</td>
<td>SC=24, LC=48</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Panel port capacity:</th>
<th>1 RU (1.75&quot;)</th>
<th>3 RU (5.25&quot;)</th>
<th>4 RU (7&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC=24, LC=48</td>
<td>SC=72, LC=144</td>
<td>SC=144, LC=288</td>
<td></td>
</tr>
</tbody>
</table>

Maximum cable length shipped on internal spool

<table>
<thead>
<tr>
<th>Panel Height</th>
<th>Fiber Terminations</th>
<th>LC (Indoor Plenum Cable)</th>
<th>SC (Indoor Plenum Cable)</th>
<th>LC (Indoor/Outdoor Riser Cable)</th>
<th>SC (Indoor/Outdoor Riser Cable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 RU</td>
<td>12</td>
<td>200 ft</td>
<td>200 ft</td>
<td>200 ft</td>
<td>200 ft</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>100 ft</td>
<td>100 ft</td>
<td>100 ft</td>
<td>100 ft</td>
</tr>
<tr>
<td></td>
<td>48</td>
<td>100 ft</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3 RU</td>
<td>72</td>
<td>200 ft</td>
<td>200 ft</td>
<td>100 ft</td>
<td>100 ft</td>
</tr>
<tr>
<td></td>
<td>144</td>
<td>100 ft</td>
<td>100 ft</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4 RU</td>
<td>144</td>
<td>100 ft</td>
<td>100 ft</td>
<td>75 ft</td>
<td>75 ft</td>
</tr>
<tr>
<td></td>
<td>288</td>
<td>75 ft</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Note: Panels ordered with stub lengths listed above or shorter will be stored on the internal spool. For panels ordered with longer stub lengths the difference between the length ordered and the length above will be stored on a disposable external spool. In these situations the slide-in spool assemblies will ship separately from the chassis and will need to be installed in the field.
Rapid Fiber Panel Series
Overview

1 RU (1.75" H) Rapid Fiber Panels

3 RU (5.25" H) Rapid Fiber Panels

4 RU (7" H) Rapid Fiber Panels

1 RU Chassis

- 24 SC or 48 LC

3 RU Chassis

- 24 SC or 48 LC
- 24 SC or 48 LC
- 24 SC or 48 LC
- 24 SC or 48 LC

4 RU Chassis

- 24 SC or 48 LC
- 24 SC or 48 LC
- 24 SC or 48 LC
- 24 SC or 48 LC
- 24 SC or 48 LC
- 24 SC or 48 LC
- 24 SC or 48 LC
- 24 SC or 48 LC

For more information, visit commscope.com
Typical Central Office/Data Center Application

Shown above is a rendering of a typical Rapid Fiber panel application. Below is an interconnection diagram that details the application and also highlights some of the available frame and panel options with MPO connectivity.

Active Equipment Bay

- Or -

Fiber Panel Solution

Optical Distribution Frame (ODF) Solutions

1. ACTIVE EQUIPMENT
2. Rapid Fiber Panel
3. Cable with an MPO Connector
4. Optical Distribution Frame (ODF) Solutions

NGF
NG3
LSX
FDF
FPX
Typical Wireless Connectivity Application

The Rapid Fiber Panel can be placed in the backhaul cabinet, building entrance or in both locations depending on the design.

3.6 mm indoor/outdoor cable is used for outside plant applications.
Rapid Fiber Panel Series
Fiber Termination Panels with MPO Connector

Ordering Information

RCP X – X X X U X X X X 0 0

Panel Color
B Black (Leave blank for SM)

Panel Size
1 1U (1.75") EIA
3 3U (5.25") EIA
4 4U (7.00") EIA

Front Bulkhead Adapter/Connector
T SC OM4 MULTIMODE (AQUA)
C LC OM4 MULTIMODE (AQUA)
7 SC/APC SINGLEMODE SIMPLEX
K LC/UPC SINGLEMODE SIMPLEX
J SC/UPC SINGLEMODE SIMPLEX
Z LC/PC SINGLEMODE SIMPLEX

Cable Construction
U Stranded

Cable Type
P INDOOR RATED (RISER/PLENUM)
D INDOOR/OUTDOOR

Far End Connector
M MPO OM4 MULTIMODE CONNECTOR
E MPO SM ELITE SINGLEMODE CONNECTOR

Fiber Count of Loaded
1 12 Fiber
2 24 Fiber
4 48 FIBER
7 72 FIBER
A 144 FIBER
B 288 FIBER

Cable Length (in meters)³
031 100 FT SPOOLED (31 METERS)
061 200 FT SPOOLED (61 METERS)
092 300 FT SPOOLED (92 METERS)
122 400 FT SPOOLED (122 METERS)
153 500 FT SPOOLED (153 METERS)
183 600 FT SPOOLED (183 METERS)
213 700 FT SPOOLED (213 METERS)
244 800 FT SPOOLED (244 METERS)
274 900 FT SPOOLED (274 METERS)
305 1000 FT SPOOLED (305 METERS)
023 75 FT SPOOLED (23 METERS)
046 150 FT SPOOLED (46 METERS)
069 225 FT SPOOLED (69 METERS)
092 300 FT SPOOLED (92 METERS)
114 375 FT SPOOLED (114 METERS)
137 450 FT SPOOLED (137 METERS)
160 525 FT SPOOLED (160 METERS)
183 600 FT SPOOLED (183 METERS)
206 675 FT SPOOLED (206 METERS)
229 750 FT SPOOLED (229 METERS)

Breakout Length
0 0 None-MPO

Maximum Density 1U 3U 4U
LC Connector 48 144 288
SC Connector 24 72 144

Only for multimode version.¹
Only available in riser/plenum (P) cable type²
Rapid panel is designed and qualified for up to 1000’ (305 meters) of cable.³
Typical Central Office/Data Center Application

Shown above is a rendering of a typical Rapid Fiber panel application. Below is an interconnection diagram that details the application and also highlights some of the available frame and panel options with single fiber breakout connectivity.
Rapid Fiber Panel Series
Fiber Termination Panels with Single Fiber Breakouts

Ordering Information

<table>
<thead>
<tr>
<th>Panel Color</th>
<th>B</th>
<th>Black¹ (Leave blank for SM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Size</td>
<td>1</td>
<td>1U (1.75&quot;) EIA</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>3U (5.25&quot;) EIA</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>4U (7.00&quot;) EIA</td>
</tr>
<tr>
<td>Front Bulkhead Adapter/Connector</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>SC OM4 MULTIMODE (AQUA)</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>LC OM4 MULTIMODE (AQUA)</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>SC/UPC SINGLEMODE SIMPLEX</td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>LC/UPC SINGLEMODE SIMPLEX</td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>SC/APC SINGLEMODE SIMPLEX</td>
<td></td>
</tr>
<tr>
<td>Z</td>
<td>LC/APC SINGLEMODE SIMPLEX</td>
<td></td>
</tr>
<tr>
<td>Fiber Count of Loaded</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>12 Fiber</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>24 Fiber</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>48 FIBER</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>72 FIBER</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>144 FIBER</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>288 FIBER²</td>
<td></td>
</tr>
</tbody>
</table>

| Cable Construction | U | Stranded |
| Cable Type         | P | INDOOR RATED (RISER/PLENUM) |
|                    | D | INDOOR/OUTDOOR |

| Far End Connector |
| T | SC OM4 MULTIMODE (AQUA) |
| C | LC OM4 MULTIMODE (AQUA) |
| K | LC/UPC SINGLEMODE SIMPLEX |
| J | SC/UPC SINGLEMODE SIMPLEX |

<table>
<thead>
<tr>
<th>Cable Length (in meters)¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>031</td>
</tr>
<tr>
<td>061</td>
</tr>
<tr>
<td>092</td>
</tr>
<tr>
<td>122</td>
</tr>
<tr>
<td>153</td>
</tr>
<tr>
<td>183</td>
</tr>
<tr>
<td>213</td>
</tr>
<tr>
<td>244</td>
</tr>
<tr>
<td>274</td>
</tr>
<tr>
<td>305</td>
</tr>
</tbody>
</table>

For Fiber Count = 288 Fiber (B)

<table>
<thead>
<tr>
<th>Breakout Jacketing</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Breakout Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>09</td>
</tr>
<tr>
<td>25</td>
</tr>
<tr>
<td>39</td>
</tr>
<tr>
<td>45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum Density</th>
<th>1U</th>
<th>3U</th>
<th>4U</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC Connector</td>
<td>48</td>
<td>144</td>
<td>288</td>
</tr>
<tr>
<td>SC Connector</td>
<td>24</td>
<td>72</td>
<td>144</td>
</tr>
</tbody>
</table>

ONLY FOR MULTIMODE VERSION.¹
ONLY AVAILABLE IN RISER/PLENUM (P) CABLE TYPE²
RAPID PANEL IS DESIGNED AND QUALIFIED FOR UP TO 1000' (305 METERS) OF CABLE.³
ONLY AVAILABLE IN LC288 4RU⁴
Rapid Fiber Panel Series
Fiber Termination Panels with Single Fiber Breakouts

Frame Fanout Mounting Brackets

<table>
<thead>
<tr>
<th>Description*</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>NG3 Bracket</td>
<td>NG3-ACCMPOBKT</td>
</tr>
<tr>
<td>Bracket for attaching fanouts to standard NG3 panels (included with 67&quot; single fiber breakout panels)</td>
<td></td>
</tr>
<tr>
<td>LSX Bracket</td>
<td>LSX-ACC036</td>
</tr>
<tr>
<td>Bracket for attaching fanouts to standard 7&quot; high LSX panels</td>
<td></td>
</tr>
<tr>
<td>8&quot; FDF Bracket</td>
<td>FDF-ACC378</td>
</tr>
<tr>
<td>Bracket for attaching fanouts to standard 8&quot; high FDF panels</td>
<td></td>
</tr>
<tr>
<td>EIA/WECO Bracket</td>
<td>RCP-ACCFANOUTBKT</td>
</tr>
<tr>
<td>Bracket for attaching fanouts to Network or UEF style racks</td>
<td></td>
</tr>
</tbody>
</table>

*Rapid Fiber panels with fanouts do not include fanout mounting brackets.
Note: Fanout mounting brackets generally attach to the panels cable clamp mounting location.
Typical Central Office/Data Center Application

Shown above is a rendering of a typical Rapid Fiber panel application. Below is an interconnection diagram that details the application and also highlights some of the available frame and panel options with splice capabilities.

1. Active Equipment Bay
2. Rapid Fiber Panel
3. Microcable with Stub End
4. Splice Solutions

- FOSC
- FEC
- Splice Frame

Pulling Eye for Rapid Fiber Panels with Stub Configuration
## Rapid Fiber Panel Series
Fiber Termination Panels with Stub and Pulling Eye

### Ordering Information

<table>
<thead>
<tr>
<th>Panel Color</th>
<th>B Black¹ (Leave blank for SM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Size</td>
<td>1 1U (1.75””) EIA</td>
</tr>
<tr>
<td></td>
<td>3 3U (5.25””) EIA</td>
</tr>
<tr>
<td></td>
<td>4 4U (7.00””) EIA</td>
</tr>
<tr>
<td>Front Bulkhead Adapter/Connector</td>
<td>T SC OM4 MULTIMODE (AQUA)</td>
</tr>
<tr>
<td></td>
<td>C LC OM4 MULTIMODE (AQUA)</td>
</tr>
<tr>
<td></td>
<td>7 SC/PC SINGLEMODE SIMPLEX</td>
</tr>
<tr>
<td></td>
<td>K LC/PC SINGLEMODE SIMPLEX</td>
</tr>
<tr>
<td></td>
<td>J SC/APC SINGLEMODE SIMPLEX</td>
</tr>
<tr>
<td></td>
<td>Z LC/APC SINGLEMODE SIMPLEX</td>
</tr>
<tr>
<td>Cable Construction</td>
<td>U Stranded</td>
</tr>
<tr>
<td>Cable Type</td>
<td>P INDOOR RATED (RISER/PLENUM)</td>
</tr>
<tr>
<td></td>
<td>D INDOOR/OUTDOOR</td>
</tr>
<tr>
<td>Far End Connector</td>
<td>0 None-Stub End</td>
</tr>
<tr>
<td>Fiber Count of Loaded</td>
<td>1 12 Fiber</td>
</tr>
<tr>
<td></td>
<td>2 24 Fiber</td>
</tr>
<tr>
<td></td>
<td>4 48 FIBER</td>
</tr>
<tr>
<td></td>
<td>7 72 FIBER</td>
</tr>
<tr>
<td></td>
<td>A 144 FIBER</td>
</tr>
<tr>
<td></td>
<td>B 288 FIBER²</td>
</tr>
<tr>
<td>Cable Length (in meters)²</td>
<td>031 100 FT SPOOLED (31 METERS)</td>
</tr>
<tr>
<td></td>
<td>061 200 FT SPOOLED (61 METERS)</td>
</tr>
<tr>
<td></td>
<td>092 300 FT SPOOLED (92 METERS)</td>
</tr>
<tr>
<td></td>
<td>122 400 FT SPOOLED (122 METERS)</td>
</tr>
<tr>
<td></td>
<td>153 500 FT SPOOLED (153 METERS)</td>
</tr>
<tr>
<td></td>
<td>183 600 FT SPOOLED (183 METERS)</td>
</tr>
<tr>
<td></td>
<td>213 700 FT SPOOLED (213 METERS)</td>
</tr>
<tr>
<td></td>
<td>244 800 FT SPOOLED (244 METERS)</td>
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<tr>
<td></td>
<td>274 900 FT SPOOLED (274 METERS)</td>
</tr>
<tr>
<td></td>
<td>305 1000 FT SPOOLED (305 METERS)</td>
</tr>
<tr>
<td>Breakout Length</td>
<td>00 None-Stub End</td>
</tr>
<tr>
<td>For Fiber Count = 288 Fiber (B)</td>
<td>023 75 FT SPOOLED (23 METERS)</td>
</tr>
<tr>
<td></td>
<td>046 150 FT SPOOLED (46 METERS)</td>
</tr>
<tr>
<td></td>
<td>069 225 FT SPOOLED (69 METERS)</td>
</tr>
<tr>
<td></td>
<td>092 300 FT SPOOLED (92 METERS)</td>
</tr>
<tr>
<td></td>
<td>114 375 FT SPOOLED (114 METERS)</td>
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<td></td>
<td>137 450 FT SPOOLED (137 METERS)</td>
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<td></td>
<td>160 525 FT SPOOLED (160 METERS)</td>
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<td>183 600 FT SPOOLED (183 METERS)</td>
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<tr>
<td></td>
<td>206 675 FT SPOOLED (206 METERS)</td>
</tr>
<tr>
<td></td>
<td>229 750 FT SPOOLED (229 METERS)</td>
</tr>
</tbody>
</table>

ONLY FOR MULTIMODE VERSION.¹
ONLY AVAILABLE IN RISER/PLENUM (P) CABLE TYPE²
RAPID PANEL IS DESIGNED AND QUALIFIED FOR UP TO 1000’ (305 METERS) OF CABLE.²

<table>
<thead>
<tr>
<th>Maximum Density</th>
<th>1U</th>
<th>3U</th>
<th>4U</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC Connector</td>
<td>48</td>
<td>144</td>
<td>288</td>
</tr>
<tr>
<td>SC Connector</td>
<td>24</td>
<td>72</td>
<td>144</td>
</tr>
</tbody>
</table>

¹ For more information, visit commscope.com
**Rapid Fiber Panel Series**
Fiber Termination Panel with NG4access Cabled Modules

**Tie Panel Application**

The Rapid Fiber panel may be used as to connect from an equipment area to an optical distribution frame (ODF), or as a tie panel to connect two different ODF areas. The Rapid Fiber panel installs into any standard rack. The installer then pays out the cabled module from the internal RapidReel cable spool, and at the far end loads that cabled module into the NG4access chassis.
**Rapid Fiber Panel Series**

**Fiber Termination Panel with NG4access Cabled Modules**

### Ordering Information

<table>
<thead>
<tr>
<th>RCP X – C</th>
<th>X</th>
<th>X</th>
<th>X</th>
<th>P</th>
<th>U</th>
<th>X</th>
<th>X</th>
<th>X</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
</table>

- **Panel Color**
  - B Black
  - Leave blank for SM

- **Cable Construction**
  - U Stranded

- **Cable Type**
  - P INDOOR RATED (RISER/PLENUM)

- **Cable Length (in meters)**
  - 031 100 FT SPOOLED (31 METERS)
  - 061 200 FT SPOOLED (61 METERS)
  - 092 300 FT SPOOLED (92 METERS)
  - 122 400 FT SPOOLED (122 METERS)

  For Fiber Count = 288 Fiber (B)
  - 023 75 FT SPOOLED (23 METERS)
  - 046 150 FT SPOOLED (46 METERS)
  - 069 225 FT SPOOLED (69 METERS)
  - 092 300 FT SPOOLED (92 METERS)
  - 114 375 FT SPOOLED (114 METERS)
  - 137 450 FT SPOOLED (137 METERS)
  - 160 525 FT SPOOLED (160 METERS)
  - 183 600 FT SPOOLED (183 METERS)
  - 206 675 FT SPOOLED (206 METERS)
  - 229 750 FT SPOOLED (229 METERS)

- **Breakout Jacketing**
  - O None-CMOD

- **Breakout Length**
  - O None-CMOD

- **Front Bulkhead Adapter/Connector**
  - T SC OM4 MULTIMODE (AQUA)
  - C LC OM4 MULTIMODE (AQUA)
  - 7 SC UPC SINGLEMODE SIMPLEX
  - K LC/UPC SINGLEMODE SIMPLEX
  - J SC/APC SINGLEMODE SIMPLEX
  - Z LC/APC SINGLEMODE SIMPLEX

- **Panel Size**
  - 1 1U (1.75”) EIA
  - 3 3U (5.25”) EIA
  - 4 4U (7.00”) EIA

- **Far End Connector**
  - T SC OM4 MULTIMODE (AQUA)
  - C LC OM4 MULTIMODE (AQUA)
  - 7 SC UPC SINGLEMODE SIMPLEX
  - K LC/UPC SINGLEMODE SIMPLEX
  - J SC/APC SINGLEMODE SIMPLEX
  - Z LC/APC SINGLEMODE SIMPLEX

- **Maximum Density**
  - 1U 48
  - 3U 144
  - 4U 288

- **Fiber Count of Loaded**
  - 1 12 Fiber
  - 2 24 Fiber
  - 4 48 FIBER
  - 7 72 FIBER
  - A 144 FIBER
  - B 288 FIBER

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1. ONLY FOR MULTIMODE VERSION.
2. ONLY AVAILABLE ON 1RU, 3RU AND BLACK OPTION ON PANEL COLOR.
3. ONLY AVAILABLE IN RISER/PLENUM (P) CABLE TYPE.
4. RAPID PANEL IS DESIGNED AND QUALIFIED FOR UP TO 1000’ (305 METERS) OF CABLE.

For more information, visit commscope.com
**3mm 24-Fiber Zip Plenum Rated Microcable**

**Specifications**

**Jacket Color**
- Singlemode Plenum Rated: Ivory
- Multimode OM4: Aqua

**Environmental**
- Storage temperature: -40° to 70° C (-40° to 158° F)
- Operating temperature: 0° to 70° C (32° to 158° F)
- Installation temperature: 0° to 50° C (32° to 122° F)

**Mechanical**
- Number of Fibers: 24
- Maximum tensile load:
  - Short term: 660 N (150 lbf)
  - Long term: 200 N (45 lbf)
- Minimum bend radius:
  - Installed: 30 mm (1.18")
  - Loaded: 60 mm (2.36")
- Maximum compression: 10 N/mm (57 lbf/in)
- Maximum impact: 2.94 N•m (2.17 lbf•ft)

**Optical Performance**
- Maximum attenuation (dB/km): 1310 nm/1550 nm
- Typical attenuation (dB/km): 1310 nm/1550 nm
- Guaranteed minimum bandwidth (MHz/km): 1310 nm/1550 nm
- Singlemode reduced bend radius: 1.0/1.0
- Transmission Performance – Guaranteed:
  - Fast Ethernet: 100 Mbps 1310 nm/1550 nm
  - Gigabit Ethernet: 1 Gbps 1310 nm/1550 nm
  - 10 Gigabit Ethernet: 10 Gbps 1310 nm/1550 nm
- Singlemode reduced bend radius:
  - 2 km/NA
  - 5 km/NA
  - 10 km/40 km

**Compliances**
- Telcordia GR-409-CORE Interconnect Category,
  - Impact and compression compliant to horizontal and vertical backbone cable requirements
  - Tensile compliant to horizontal backbone cable requirements
- UL 910 plenum flammability rating
- EIA/TIA FOTPS
- EIA/TIA 568-B
- NFPA 262, NEC OFNP, FT-6
- Restriction of the use of hazardous substances. RoHS (2002/95/EC)
- Comply with California Prop 65 for Safe Drinking and Toxic Enforcement Act

1 Reduced Bend Radius Fiber is compliant to ITU-T G.652.D, ITU-T G.657A&B, and IEC 60793-2-50 Type B.1.3
## 3.6 mm 12-Fiber Indoor/Outdoor Singlemode Microcable

### Specifications

**Environmental**
- Operating temperature: -40° to 75° C (-40° to 167° F)
- Installation temperature: -30° to 50° C (-22° to 122° F)

**Mechanical**
- Number of Fibers: 12
- Maximum tensile load (lbf)
  - Short term: 220 (50)
  - Long term: 110 (25)
- Minimum bend radius (in.)
  - Installed: 36 mm (1.4")
  - Loaded: 54 mm (2.1")

**Compliances**
- Restriction of the use of hazardous substances RoHS (2002/95/EC)
- Comply with California Prop 65 for Safe Drinking and Toxic Enforcement Act
- Telcordia GR-20 tested to relevant specifications
- Telcordia GR-409-CORE, EIA/TIA FOTPS (Independently verified)
- ISO/IEC 11801, IEC 60794-2 Optical Fiber Cables Part 2
- EIA/TIA 568-B
- (UL) 1666, NEC OFNR (Riser Rated), FT-4

1 Reduced Bend Radius Fiber allows the minimum bend radius to be cut in half and is compliant to ITU-T G.652.D, ITU-T G.657A&B, and IEC 60793-2-50 Type B.1.3

### Optical Performance

<table>
<thead>
<tr>
<th>Maximum attenuation (dB/km)</th>
<th>Typical attenuation (dB/km)</th>
<th>Guaranteed minimum bandwidth (MHz/km)</th>
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</tr>
</tbody>
</table>

### Transmission Performance – Guaranteed

<table>
<thead>
<tr>
<th>Transmission</th>
<th>Fast Ethernet 100 Mbps</th>
<th>Gigabit Ethernet 1 Gbps</th>
<th>10 Gigabit Ethernet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singlemode reduced bend radius</td>
<td>2 km/NA</td>
<td>5 km/NA</td>
<td>10 km/40 km</td>
</tr>
</tbody>
</table>

For more information, visit commscope.com
Rapid Fiber Panel Series
Specifications

24-Fiber MPO Light Duty Patchcord Cable
Specifications

Environmental
Operating temperature: 0° to +70° C (+32° to 158° F)
Installation temperature: 0° to +70° C (+32° to 158° F)

Mechanical
Number of Fibers: 24
Maximum tensile load (lbf)
Short term: 267 N | 60.024 lbf
Long term: 80 N | 17.985 lbf
Minimum bend radius (in.)
Installed: 24 mm | 0.945 in
Loaded: 45 mm | 1.772 in

Optical Specifications
Fiber Type
G.652.D
G.657.A2/B2
OS2