GenSPEED® MassLink™ Indoor/Outdoor Ribbon
Multi-Tube Ribbon Cable for Transitional Aerial and Duct Applications

FEATURES AND BENEFITS

Indoor/Outdoor Design
- Saves space and time by eliminating splices at the cable vaults
- Can be installed using typical loose tube cable methods and hardware

Flame Retardant Construction
- Riser design complies with UL 1666 and is OFNR and OFN-FT4 rated
- LSZH design complies with UL 1685 and is OFN-LS and OFN-FT1 rated

Compact Design
- Efficient packaging of higher fiber counts
- Lightweight and easy to handle during installation

Easily Removable Ribbon Matrix
- Allows for ease of stripping and fiber breakout
- Improves mid-span strippability

Precision Ribbon Geometry
- Time and labor savings during fiber splicing

Flexible Buffer Tubes
- Increased flexibility and kink resistance
- Facilitates route management in closures
- Eliminates need for closure transportation tubing

Multiple Buffer Tubes Stranded In Reverse Oscillated Lay
- Facilitates mid-span access of fibers
- Simplifies handling and management of ribbons
- Individual fibers/ribbons can be accessed more quickly and safely

Registered Supplier
- ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Dynamic</th>
<th>Static</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bend Radius (Dynamic)</td>
<td>20 x Cable OD</td>
<td>10 x Cable OD</td>
</tr>
<tr>
<td>Tensile Rating (N)</td>
<td>2,700</td>
<td>800</td>
</tr>
<tr>
<td>Installation (N)</td>
<td>600</td>
<td>180</td>
</tr>
<tr>
<td>Crush Resistance (N/cm)</td>
<td>220</td>
<td>125/110</td>
</tr>
<tr>
<td>Short/long Term (lbf/in)</td>
<td>110</td>
<td>63</td>
</tr>
<tr>
<td>Temperature Ratings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operation (°C/°F)</td>
<td>-40 to +70</td>
<td>-40 to +158</td>
</tr>
<tr>
<td>Installation (°C/°F)</td>
<td>-30 to +60</td>
<td>-22 to +140</td>
</tr>
<tr>
<td>Storage/Shipping (°C/°F)</td>
<td>-40 to +75</td>
<td>-40 to +167</td>
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</tbody>
</table>

Water Blocking Tape
Gel-Filled Buffer Tube w/ Optical Fiber Ribbons
Ripcord

Flame Retardant Jacket
Outer Strength Members
Flame Retardant Tape
Central Strength Member
Water Blocking Tape

Prysmian Group
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TLS-DS-B-108-0721
### Ordering Guide

The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described below.

**Example:** Riser Rated, 432 count, GenSPEED® MassLink™ Indoor/Outdoor Cable with G.652.D LWP Single-Mode Fiber and 0.40/0.40/0.30 attenuation (printed in feet)

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>PRODUCT FAMILY</th>
<th>FIBER GROUPING</th>
<th>FIBER TYPE</th>
<th>FIBER COUNT</th>
<th>FIBER GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>RRLTK</td>
<td>12</td>
<td>HB</td>
<td>432</td>
<td>E1</td>
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</tbody>
</table>

### Fiber Information

#### Fiber Type

**Single-Mode**
- CE = Corning™ SMF28e+ Single-Mode

#### Riser Rated Cables Only

<table>
<thead>
<tr>
<th>MULTIMODE</th>
<th>Wavelength (nm)</th>
<th>Bandwidth (MHz)</th>
<th>1 GbE Dist (m)</th>
<th>10 GbE Dist (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G6 = OM1 (62.5μm)</td>
<td>850/1300</td>
<td>200/500</td>
<td>300/550</td>
<td>33/___</td>
</tr>
<tr>
<td>G5 = OM2+ BIF (50μm)</td>
<td>850/1300</td>
<td>700/500</td>
<td>800</td>
<td>150/___</td>
</tr>
<tr>
<td>G3 = OM3 BIF (50μm)</td>
<td>850/1300</td>
<td>1550/500</td>
<td>1000</td>
<td>300/___</td>
</tr>
<tr>
<td>G4 = OM4 BIF (50μm)</td>
<td>850/1300</td>
<td>3500/500</td>
<td>1100</td>
<td>550/___</td>
</tr>
</tbody>
</table>

#### Fiber Count

288 to 432 fibers

#### Fiber Grade

**Single-Mode**
- E1 = 0.40/0.40/0.30
- E3 = 0.35/0.35/0.25
- HB, E5, CE, B1, BB, or BX

**Multimode**
- M2 = 3.5/1.0
- M5 = 3.0/1.0

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A Brand of Prysmian Group

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