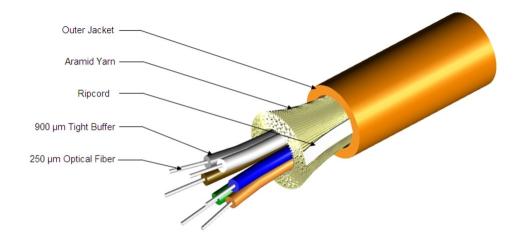
# R-018-DS-8W-FSU

Fiber indoor cable, TeraSPEED® Riser Distribution, Singlemode G.652.D and G.657.A1, 18 fiber single-unit, Feet jacket marking

#### Product Classification

| Regional Availability  | Asia   Australia/New Zealand   Latin America   Middle East/Africa   North<br>America |
|------------------------|--|
| Portfolio              | CommScope®   |
| Product Type           | Fiber indoor cable   |
| Product Series         | R-DS   |
| General Specifications |  |
| Cable Type             | Distribution   |
| Construction Type      | Non-armored  |
| Subunit Type           | Gel-free   |
| Jacket Marking         | Feet   |
| Total Fiber Count      | 18   |
| Dimensions             |  |
| Diameter Over Jacket   | 7.7 mm   0.303 in  |

### Representative Image



## Mechanical Specifications

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## R-018-DS-8W-FSU

| Minimum Bend Radius, loaded       | 115 mm   4.528 in                     |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, unloaded     | 77 mm   3.031 in                      |
| Tensile Load, long term, maximum  | 400 N   89.924 lbf                    |
| Tensile Load, short term, maximum | 1335 N   300.12 lbf                   |
| Compression                       | 10 N/mm   57.101 lb/in                |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3              |
| Flex                              | 100 cycles                            |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6             |
| Impact                            | 2.94 N-m   26.021 in lb               |
| Impact Test Method                | FOTP-25   IEC 60794-1 E4              |
| Strain                            | See long and short term tensile loads |
| Strain Test Method                | FOTP-33   IEC 60794-1 E1              |
| Twist                             | 10 cycles                             |
| Twist Test Method                 | FOTP-85   IEC 60794-1 E7              |
| Vertical Rise, maximum            | 500 m   1,640.42 ft                   |
|                                   |                                       |

### **Optical Specifications**

Fiber Type

G.652.D and G.657.A1, TeraSPEED®

### **Environmental Specifications**

| Installation temperature      | -20 °C to +70 °C (-4 °F to +158 °F)   |
|-------------------------------|---------------------------------------|
| Operating Temperature         | -20 °C to +70 °C (-4 °F to +158 °F)   |
| Storage Temperature           | -40 °C to +70 °C (-40 °F to +158 °F)  |
| Cable Qualification Standards | ANSI/ICEA S-83-596   Telcordia GR-409 |
| Environmental Space           | Riser                                 |
| Flame Test Listing            | NEC OFNR (ETL) and c(ETL)             |
| Flame Test Method             | UL 1666                               |

### Environmental Test Specifications

| Heat Age                  | -20 °C to +85 °C (-4 °F to +185 °F) |
|---------------------------|-------------------------------------|
| Heat Age Test Method      | IEC 60794-1 F9                      |
| Low High Bend             | -20 °C to +70 °C (-4 °F to +158 °F) |
| Low High Bend Test Method | FOTP-37   IEC 60794-1 E11           |

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## R-018-DS-8W-FSU

| Temperature Cycle<br>Temperature Cycle Test                 |  | -20 °C to +70 °C (-4 °F to +158 °F)<br>FOTP-3   IEC 60794-1 F1 |  |  |
|---|--|--|--|--|
| Packaging and V   | Veights  |  |  |  |
| Cable weight  |  | 48 kg/km   32.255 lb/kft                                       |  |  |
| Regulatory Compliance/Certifications                        |  |  |  |  |
| Agency  | Classification   |  |  |  |
| ISO 9001:2015   | Designed, manufactured and/or distributed under this quality management system |  |  |  |
| Included Products<br>CS-8W-TB – TeraSPEED® Singlemode Fiber |  |  |  |  |
| * Footnotes   |  |  |  |  |

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

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