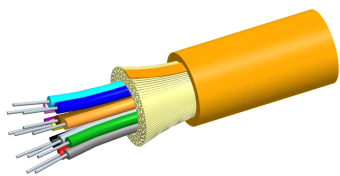


## OptiSPEED® Plenum Distribution Cable, 6 fiber single-unit



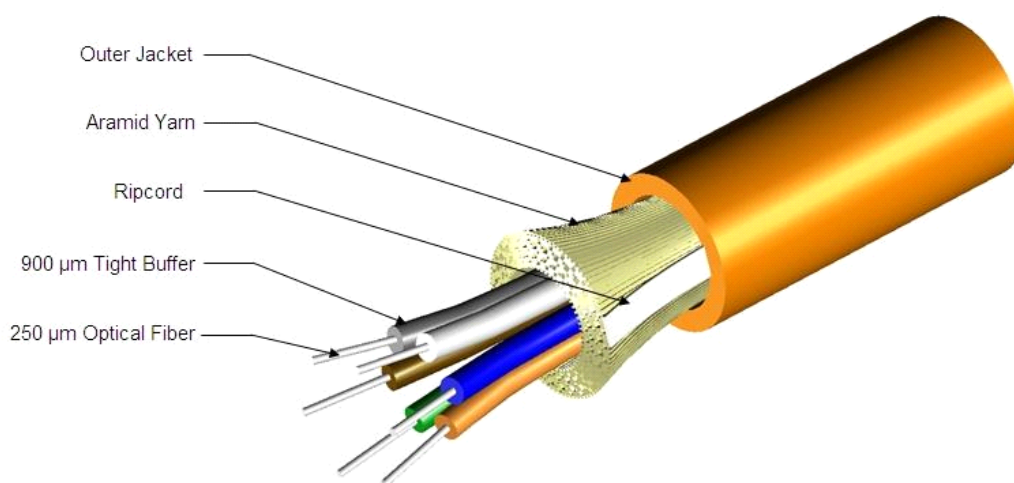
### Product Classification

|                              |   |
|------------------------------|---|
| <b>Portfolio</b>             | CommScope®  |
| <b>Product Type</b>          | Fiber indoor cable  |
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |

### Standards And Qualifications

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Cable Qualification Standards</b> | ANSI/ICEA S-83-596   Telcordia GR-409 |
|--------------------------------------|---------------------------------------|

### Representative Image



### General Specifications

|                          |              |
|--------------------------|--------------|
| <b>Cable Type</b>        | Distribution |
| <b>Construction Type</b> | Non-armored  |
| <b>Subunit Type</b>      | Gel-free     |

### Construction Materials

|                            |                 |
|----------------------------|-----------------|
| <b>Fiber Type Solution</b> | OM1, OptiSPEED® |
| <b>Total Fiber Count</b>   | 6               |

|                             |                 |
|-----------------------------|-----------------|
| <b>Fiber Type</b>           | OM1, OptiSPEED® |
| <b>Fiber Type, quantity</b> | 6               |
| <b>Jacket Color</b>         | Orange          |

## Dimensions

|                             |                          |
|-----------------------------|--------------------------|
| <b>Cable Weight</b>         | 14.8 lb/kft   22.0 kg/km |
| <b>Diameter Over Jacket</b> | 4.74 mm   0.19 in        |

## Physical Specifications

|  |                     |
|--|---------------------|
| <b>Minimum Bend Radius, loaded</b>       | 7.1 cm   2.8 in     |
| <b>Minimum Bend Radius, unloaded</b>     | 4.7 cm   1.9 in     |
| <b>Tensile Load, long term, maximum</b>  | 45 lbf   200 N      |
| <b>Tensile Load, short term, maximum</b> | 150 lbf   667 N     |
| <b>Vertical Rise, maximum</b>            | 500.0 m   1640.4 ft |

## Flame Test Specifications

|                           |                           |
|---------------------------|---------------------------|
| <b>Flame Test Listing</b> | NEC OFNP (ETL) and c(ETL) |
| <b>Flame Test Method</b>  | NFPA 262                  |

## Environmental Specifications

|                                 |                                      |
|---------------------------------|--------------------------------------|
| <b>Environmental Space</b>      | Plenum                               |
| <b>Installation Temperature</b> | 0 °C to +70 °C (+32 °F to +158 °F)   |
| <b>Operating Temperature</b>    | -20 °C to +70 °C (-4 °F to +158 °F)  |
| <b>Storage Temperature</b>      | -40 °C to +70 °C (-40 °F to +158 °F) |

## Mechanical Test Specifications

|                                |                                       |
|--------------------------------|---------------------------------------|
| <b>Compression</b>             | 10 N/mm   57 lb/in                    |
| <b>Compression Test Method</b> | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                    | 100 cycles                            |
| <b>Flex Test Method</b>        | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                  | 4.34 ft lb   5.88 N-m                 |
| <b>Impact Test Method</b>      | FOTP-25   IEC 60794-1 E4              |
| <b>Strain</b>                  | See long and short term tensile loads |
| <b>Strain Test Method</b>      | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                   | 10 cycles                             |
| <b>Twist Test Method</b>       | FOTP-85   IEC 60794-1 E7              |

## Environmental Test Specifications

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Heat Age</b>                      | -20 °C to +85 °C (-4 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                      |
| <b>Low High Bend</b>                 | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11           |
| <b>Temperature Cycle</b>             | -20 °C to +70 °C (-4 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1             |

## Regulatory Compliance/Certifications

| <b>Agency</b>   | <b>Classification</b>  |
|-----------------|--|
| RoHS 2011/65/EU | Compliant  |
| ISO 9001:2015   | Designed, manufactured and/or distributed under this quality management system |



## Included Products

CS-6F-TB (Product Component—not orderable) — OptiSPEED® OM1 Multimode Fiber

## \* Footnotes

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