

TeraSPEED® Riser Distribution Cable, 72 fiber multi-unit with 12 fiber subunits

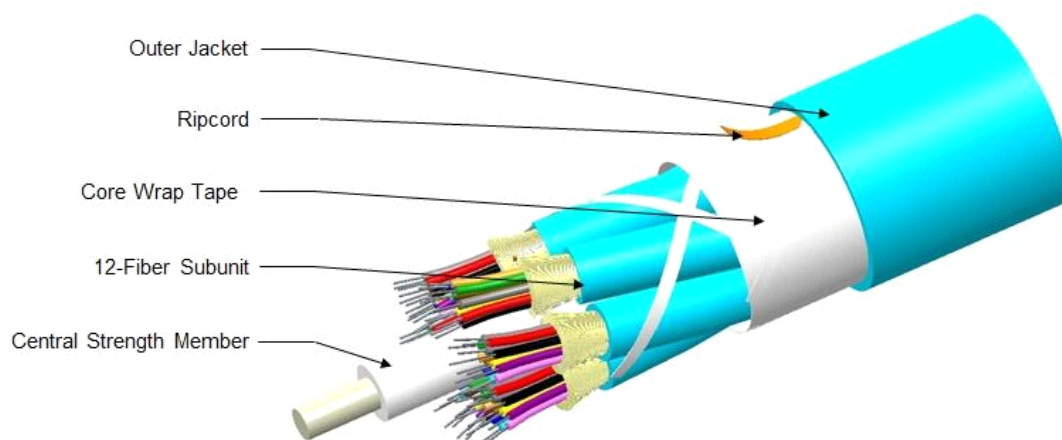
Product Classification

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

Standards And Qualifications

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

Representative Image



General Specifications

| | |
|--------------------------|--------------|
| Cable Type | Distribution |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |

Construction Materials

| | |
|-----------------------------|---|
| Fiber Type Solution | Composite MM/SM G.652.D and G.657.A1 , TeraSPEED® OM3, LazrSPEED® 300 |
| Total Fiber Count | 72 |
| Fiber Type | G.652.D and G.657.A1, TeraSPEED® |
| Fiber Type, quantity | 36 |

| | |
|-------------------------------------|---------------------|
| Fibers per Subunit, quantity | 12 |
| Jacket Color | Aqua |
| Second Fiber Type | OM3, LazrSPEED® 300 |
| Second Fiber Type, quantity | 36 |

Dimensions

| | |
|-------------------------------------|----------------------------|
| Buffer Tube/Subunit Diameter | 5.95 mm 0.23 in |
| Cable Weight | 232.0 lb/kft 345.0 kg/km |
| Diameter Over Jacket | 19.88 mm 0.78 in |
| Subunit, quantity | 6 |

Physical Specifications

| | |
|--|--------------------|
| Minimum Bend Radius, loaded | 29.8 cm 11.7 in |
| Minimum Bend Radius, unloaded | 19.9 cm 7.8 in |
| Tensile Load, long term, maximum | 90 lbf 400 N |
| Tensile Load, short term, maximum | 300 lbf 1335 N |
| Vertical Rise, maximum | 118.0 m 387.1 ft |

Flame Test Specifications

| | |
|---------------------------|---------------------------|
| Flame Test Listing | NEC OFNR (ETL) and c(ETL) |
| Flame Test Method | UL 1666 |

Environmental Specifications

| | |
|---------------------------------|--------------------------------------|
| Environmental Space | Riser |
| 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) |

Mechanical Test Specifications

| | |
|--------------------------------|---------------------------------------|
| Compression | 10 N/mm 57 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 100 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 4.34 ft lb 5.88 N-m |
| 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

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 |
| Temperature Cycle | -20 °C to +70 °C (-4 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3 IEC 60794-1 F1 |

Regulatory Compliance/Certifications

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



Included Products

CS-5L-TB (Product Component—not orderable) — LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

CS-8W-TB (Product Component—not orderable) — TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable