

Fiber Indoor/Outdoor cable, Composite Plenum Distribution, 18 fiber single-unit, Composite OM4 and G.652.D and G.657.A1, Gel-free, Feet jacket marking, Black jacket color

Product Classification

| | |
|-----------------------|---|
| Regional Availability | Asia Australia/New Zealand Latin America Middle East/Africa North America |
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | P-OD |

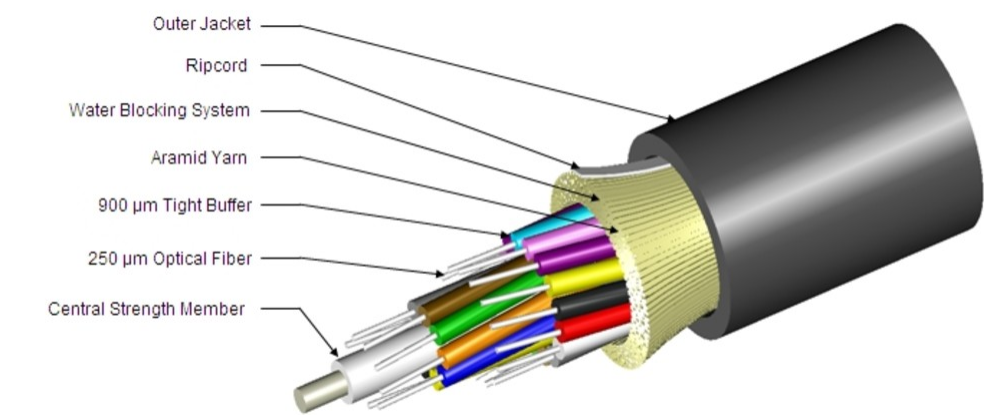
General Specifications

| | |
|-----------------------|--------------|
| Cable Type | Distribution |
| Construction Type | Non-armored |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Composite Fiber Count | 12 + 6 |
| Total Fiber Count | 18 |

Dimensions

| | |
|----------------------|-----------------|
| Diameter Over Jacket | 7 mm 0.276 in |
|----------------------|-----------------|

Representative Image



Mechanical Specifications

| | |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 106 mm 4.173 in |
| Minimum Bend Radius, unloaded | 70 mm 2.756 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 | Composite MM/SM G.652.D and G.657.A1, TeraSPEED® OM4, LazrSPEED® 550 |
|------------|--|

Environmental Specifications

| | |
|--------------------------|--------------------------------------|
| Installation temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
|--------------------------|--------------------------------------|

| | |
|-------------------------------|--|
| Operating Temperature | -25 °C to +70 °C (-13 °F to +158 °F) |
| Storage Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
| Cable Qualification Standards | ANSI/ICEA S-104-696 Telcordia GR-20 (water penetration) Telcordia GR-409 |
| Environmental Space | Plenum |
| Flame Test Listing | NEC OFNP (ETL) and c(ETL) |
| Flame Test Method | NFPA 130 NFPA 262 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | FOTP-82 IEC 60794-1 F5 |

Environmental Test Specifications

| | |
|-------------------------------|--------------------------------------|
| Cable Freeze Test Method | IEC 60794-1 F15 |
| Heat Age | -40 °C to +85 °C (-40 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -40 °C to +70 °C (-40 °F to +158 °F) |
| Low High Bend Test Method | FOTP-37 IEC 60794-1 E11 |
| Temperature Cycle | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3 IEC 60794-1 F1 |

Packaging and Weights

| | |
|--------------|--------------------------|
| Cable weight | 48 kg/km 32.255 lb/kft |
|--------------|--------------------------|

Included Products

| | | |
|----------|---|---|
| CS-5K-TB | - | LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber |
| CS-8W-TB | - | TeraSPEED® Singlemode Fiber |

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable