

Fiber Indoor/Outdoor Drop Cable, TeraSPEED®, Low Smoke Zero Halogen Single Jacket All-Dielectric Arid-Core, 12 fiber, Gel-filled, Singlemode + Multimode OM3, Feet jacket marking, Black jacket color, Dca flame rating

Product Classification

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

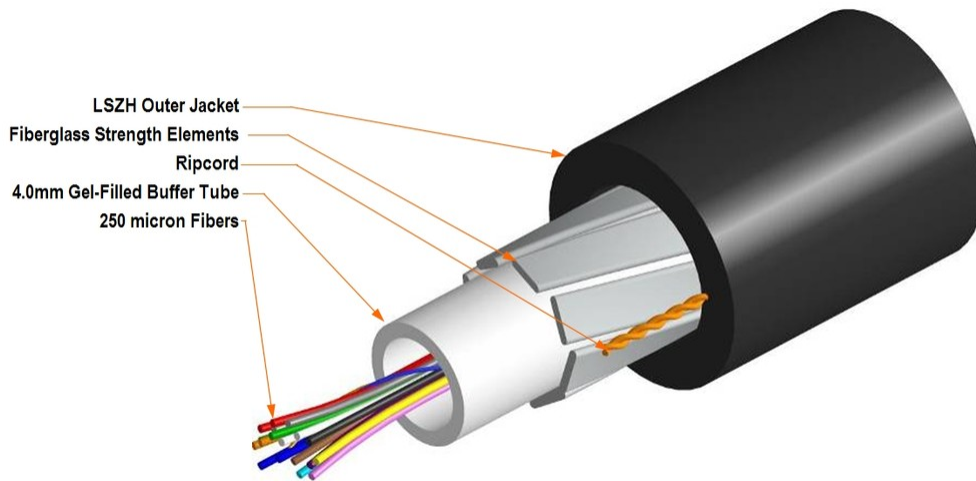
General Specifications

| | |
|-------------------------------------|-----------------------|
| Cable Type | Riser rated low smoke |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 12 |
| Composite Fiber Count | 4 + 8 |
| Total Fiber Count | 12 |

Dimensions

| | |
|-------------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 4 mm 0.157 in |
| Diameter Over Jacket | 8.3 mm 0.327 in |

Representative Image



Material Specifications

Jacket Material Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded 125 mm | 4.921 in

Minimum Bend Radius, unloaded 83 mm | 3.268 in

Tensile Load, long term, maximum 400 N | 89.924 lbf

Tensile Load, short term, maximum 1334 N | 299.895 lbf

Compression 10 N/mm | 57.101 lb/in

Compression Test Method FOTP-41 | IEC 60794-1 E3

Flex 35 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 572 m | 1,876.64 ft

Optical Specifications

Fiber Type Composite MM/SM | G.652.D and G.657.A1, TeraSPEED® | OM3, LazrSPEED® 300

Environmental Specifications

| | |
|---|---|
| Installation temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
| Operating Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Storage Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
| Cable Qualification Standards | ANSI/ICEA S-110-717 |
| EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s2 |
| EN50575 CPR Cable EuroClass Droplets Rating | d1 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Aerial, lashed Buried Low Smoke Zero Halogen (LSZH) Riser |
| Flame Test Listing | NEC OFNR-ST1 (ETL) and c(ETL) |
| Flame Test Method | IEC 60332-3 IEC 60754-2 IEC 61034-2 UL 1666 UL 1685 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | FOTP-82 IEC 60794-1 F5 |

Environmental Test Specifications

| | |
|--------------------------------------|-------------------------------------|
| Cable Freeze | -2 °C 28.4 °F |
| Cable Freeze Test Method | FOTP-98 IEC 60794-1 F15 |
| Drip | 70 °C 158 °F |
| Drip Test Method | FOTP-81 IEC 60794-1 E14 |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -20 °C to +60 °C (-4 °F to +140 °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 |

Packaging and Weights

| | |
|---------------------|--------------------------|
| Cable weight | 72 kg/km 48.382 lb/kft |
|---------------------|--------------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|-----------------------|
|---------------|-----------------------|

760096420 | Z-012-DN-CM-F12BK/8W004 /5L008/D

CENELEC

EN 50575 compliant, Declaration of Performance (DoP) available

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system



Included Products

CS-8W-IOLT - TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable