

Fiber OSP cable, Zero Water Peak® Blown Micro Single Jacket All-Dielectric Stranded Loose Tube, Singlemode G.657.A1, 144 fiber, Gel-filled, 200um Fiber Arid-Core® Construction, Feet jacket marking, Black jacket color

OBSOLETE

Product Classification

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

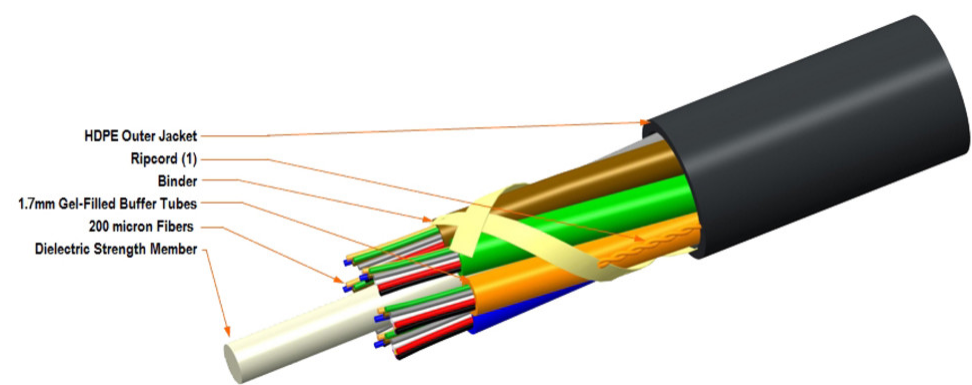
General Specifications

| | |
|------------------------------|---------------------|
| Cable Type | Stranded loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Filler, quantity | 0 |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Subunit, quantity | 6 |
| Fibers per Subunit, quantity | 24 |
| Total Fiber Count | 144 |

Dimensions

| | |
|------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 1.7 mm 0.067 in |
| Diameter Over Jacket | 6.2 mm 0.244 in |

Representative Image



Material Specifications

Jacket Material

High density polyethylene (HDPE)

Mechanical Specifications

| | |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 93 mm 3.661 in |
| Minimum Bend Radius, unloaded | 62 mm 2.441 in |
| Tensile Load, long term, maximum | 335 N 75.311 lbf |
| Tensile Load, short term, maximum | 1000 N 224.809 lbf |
| Compression | 10 N/mm 57.101 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 25 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 0.3 N-m 2.655 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 | 769 m 2,522.966 ft |

Optical Specifications

Fiber Type

G.657.A1, TeraSPEED®

Environmental Specifications

810009728/DB | B-144-LN-8F-F24NS/17T 200

| | |
|-------------------------------|--------------------------------------|
| Installation temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | IEC 60794-5-10 |
| Environmental Space | Air-blown, microduct |
| 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 | -40 °C to +85 °C (-40 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -30 °C to +60 °C (-22 °F to +140 °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

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|--------------|----------------------------|
| Cable weight | 33.2 kg/km 22.309 lb/kft |
|--------------|----------------------------|

Included Products

| | | |
|----------------|---|---|
| CS-8F-200UM-LT | – | 200 Micron Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber |
|----------------|---|---|

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable