

Fiber OSP cable, LightScope ZWP® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube Arid-Core® Construction, 24 fiber, Singlemode G.652.D, Gel-filled, Meters jacket marking, Black jacket color

Product Classification

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

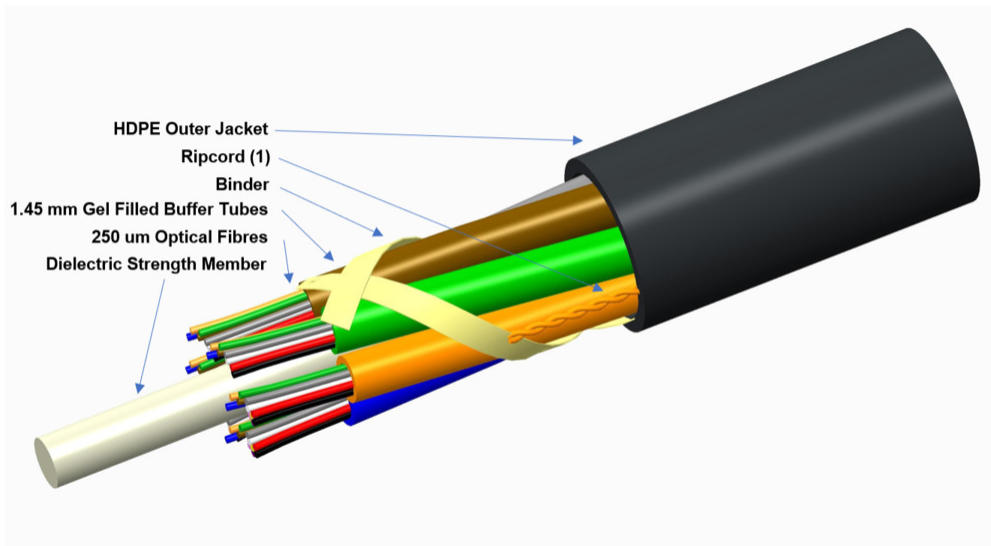
General Specifications

| | |
|-------------------------------------|--|
| Cable Type | Stranded loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Filler, quantity | 3 |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Laser |
| Jacket Marking Text | COMMSCOPE OPTICAL CABLE G657A1 SM 24F (SERIAL NUMBER) [MM /YYYY] [M] |
| Subunit, quantity | 2 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 24 |

Dimensions

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|-------------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 1.45 mm 0.057 in |
| Diameter Over Jacket | 5.1 mm 0.201 in |

Representative Image



Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

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|--|---------------------------------------|
| Minimum Bend Radius, loaded | 77 mm 3.031 in |
| Minimum Bend Radius, unloaded | 51 mm 2.008 in |
| Tensile Load, long term, maximum | 97 N 21.806 lbf |
| Tensile Load, short term, maximum | 324 N 72.838 lbf |
| Compression | 10 N/mm 57.101 lb/in |
| Compression Test Method | IEC 60794-1-21 E3 |
| Flex | 25 cycles |
| Flex Test Method | IEC 60794-1 E6 |
| Impact | 0.3 N-m 2.655 in lb |
| Impact Test Method | IEC 60794-1-21 E4 |
| Strain | See long and short term tensile loads |
| Strain Test Method | IEC 60794-1-21 E1 |
| Twist | 10 cycles |
| Twist Test Method | IEC 60794-1-21 E7 |
| Vertical Rise, maximum | 492 m 1,614.173 ft |

Optical Specifications

810010136/DB | B-024-LN-8F-M12NS/15G

Fiber Type G.652.D | G.652.D

Environmental Specifications

| | |
|--------------------------------------|--------------------------------------|
| Installation temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
| Operating Temperature | -30 °C to +70 °C (-22 °F to +158 °F) |
| Storage Temperature | -30 °C to +75 °C (-22 °F to +167 °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 | IEC 60794-1 F4 |

Environmental Test Specifications

| | |
|--------------------------------------|--------------------------------------|
| Cable Freeze | -2 °C 28.4 °F |
| Cable Freeze Test Method | IEC 60794-1 F15 |
| Drip | 70 °C 158 °F |
| Drip Test Method | IEC 60794-1-21 E14 |
| Heat Age | -30 °C to +85 °C (-22 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1-22 F9 |
| Low High Bend | -30 °C to +60 °C (-22 °F to +140 °F) |
| Low High Bend Test Method | IEC 60794-1-21 E11 |
| Temperature Cycle | -30 °C to +70 °C (-22 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1-22 F1 |

Packaging and Weights

Cable weight 22 kg/km | 14.783 lb/kft

Included Products

CS-8F-TB – Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable