

Fiber OSP cable, A2 Dual-sheathed HDPE Drop, LSZH Subunit, Loose buffer, Singlemode, G.657.A2, 1 fiber (Red), Gel-free, Meters jacket marking, Black jacket color 1000M Reel

Product Classification

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

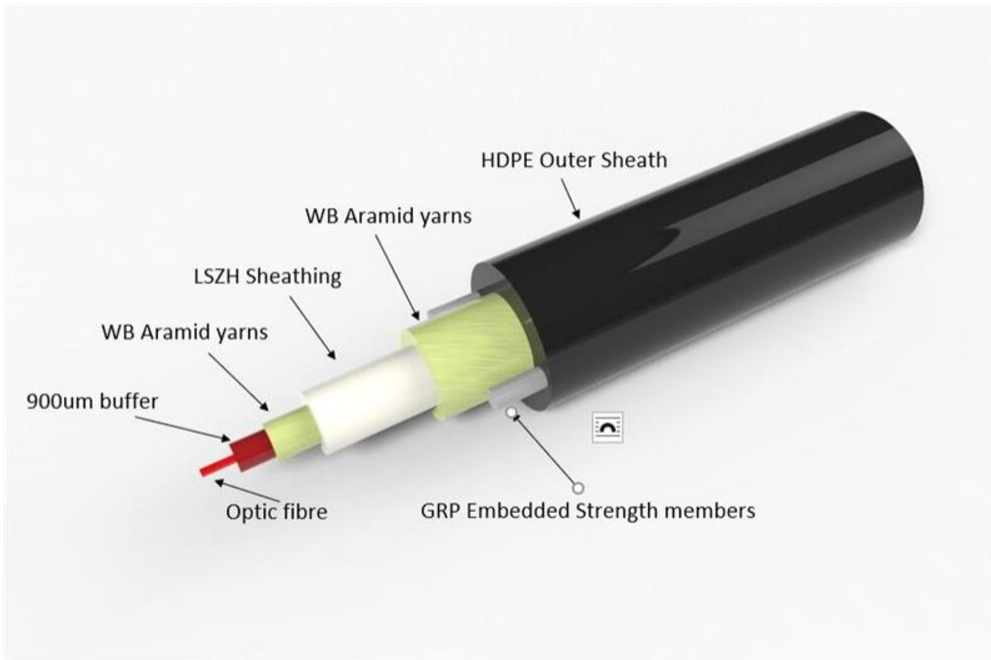
General Specifications

| | |
|-------------------------------------|----------------------------------|
| Cable Type | Outdoor drop with indoor subunit |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Inner Jacket Color | White |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 1 |
| Total Fiber Count | 1 |

Dimensions

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|-------------------------------------|---------------------|
| Cable Length | 500 m 1,640.42 ft |
| Buffer Tube/Subunit Diameter | 2 mm 0.079 in |
| Diameter Over Jacket | 5 mm 0.197 in |

Representative Image



Material Specifications

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|------------------------------|----------------------------------|
| Jacket Material | High density polyethylene (HDPE) |
| Inner Jacket Material | Low Smoke Zero Halogen (LSZH) |

Mechanical Specifications

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|--|---------------------------|
| Minimum Bend Radius, loaded | 50 mm 1.969 in |
| Minimum Bend Radius, unloaded | 30 mm 1.181 in |
| Tensile Load, long term, maximum | 400 N 89.924 lbf |
| Tensile Load, short term, maximum | 880 N 197.832 lbf |
| Compression | 20 N/mm 114.203 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 35 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 5 N-m 44.254 in lb |
| Impact Test Method | FOTP-25 IEC 60794-1 E4 |
| Strain Test Method | FOTP-33 IEC 60794-1 E1 |
| Twist | 10 cycles |
| Twist Test Method | FOTP-85 IEC 60794-1 E7 |

Optical Specifications

Fiber Type G.657.A2 | G.657.A2, TeraSPEED®

Environmental Specifications

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|---|--|
| 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 60794-1-2 Telcordia GR-20 |
| EN50575 CPR Cable EuroClass Fire Performance | Cca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1a |
| EN50575 CPR Cable EuroClass Droplets Rating | d0 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Aerial, lashed Buried Drop Façade Underground (duct) |
| 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 |
| 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

Cable weight 23.5 kg/km | 15.791 lb/kft

Included Products

CS-8G-MP – Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable