

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 500M Reel

Product Classification

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

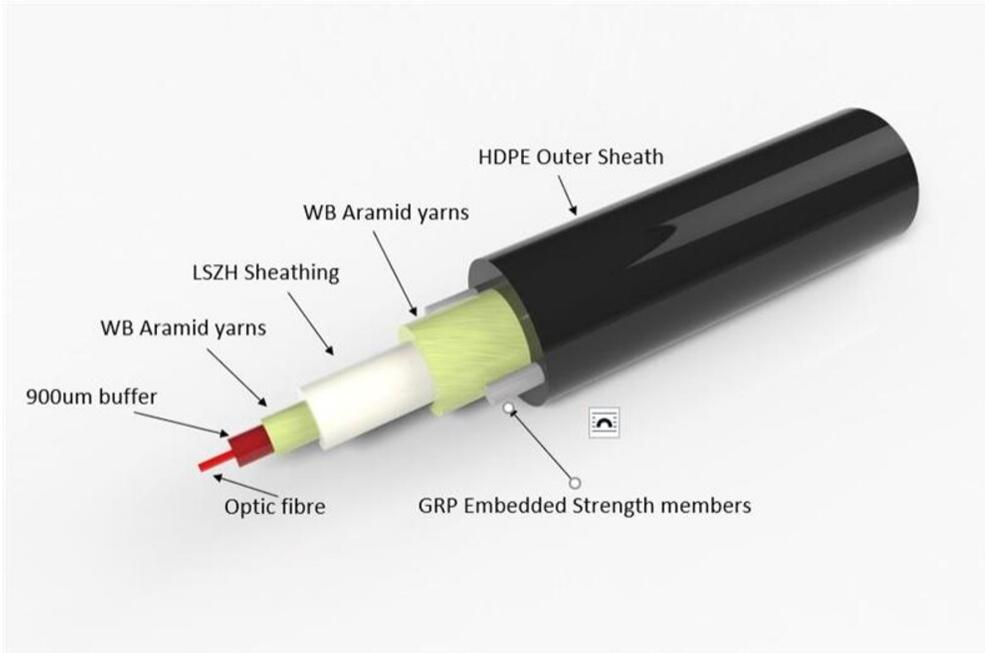
General Specifications

| | |
|-------------------------------------|--|
| 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 |
| Jacket Marking Text | COMMSCOPE OPTICAL CABLE 810010312/DB G657A2 SM 1 FIBER EN50575 CLASS Dca [SERIAL NUMBER] [MM/YYYY] [Meter marking] m |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 1 |
| Total Fiber Count | 1 |

Dimensions

| | |
|-------------------------------------|---------------------|
| 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

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

Mechanical Specifications

| | |
|--|---------------------------|
| 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

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