



Fiber OSP cable, LightScope® ZWP Blown Single Jacket All-Dielectric 2-fiber, Central Tube Construction, Singlemode G.652.D, Gel-filled, Meters jacket marking, Black jacket color

Product Classification

| | |
|------------------------------|-----------------|
| Regional Availability | Europe |
| Portfolio | CommScope® |
| Product Type | Fiber OSP cable |
| Product Series | B-CN |

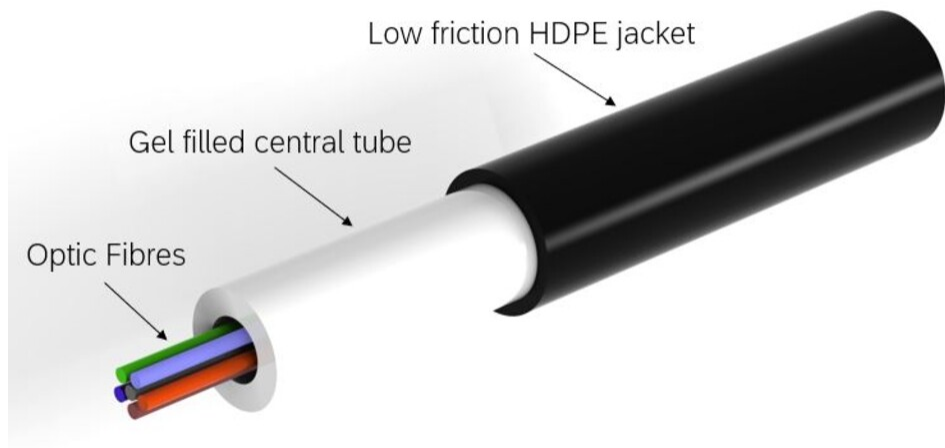
General Specifications

| | |
|-------------------------------------|---|
| Cable Type | Central tube, all dielectric Microcable |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Filler, quantity | 0 |
| Inner Jacket Color | White |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB OPTICAL CABLE BLW 810010116/DB 2x G657A1 SM HDPE [SERIAL NUMBER] [METER MARK] |
| Subunit, quantity | 1 |
| Fibers per Subunit, quantity | 2 |
| Total Fiber Count | 2 |

Dimensions

| | |
|-------------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 3 mm 0.118 in |
| Diameter Over Jacket | 3.9 mm 0.154 in |

Representative Image



Material Specifications

Jacket Material High density polyethylene (HDPE)

Mechanical Specifications

| | |
|---|---------------------------------------|
| Minimum Bend Radius, loaded | 47 mm 1.85 in |
| Minimum Bend Radius, storage coils | 47 mm 1.85 in |
| Minimum Bend Radius, unloaded | 47 mm 1.85 in |
| Tensile Load, long term, maximum | 70 N 15.737 lbf |
| Compression | 10 N/mm 57.101 lb/in |
| Compression Test Method | IEC 60794-1-21 E3 |
| Flex | 25 cycles |
| Impact | 2 N-m 17.701 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 |

Optical Specifications

810010116/DB | B-002-CN-8W-M02BK/30G

Fiber Type G.657.A1

Environmental Specifications

Installation temperature -10 °C to +60 °C (+14 °F to +140 °F)
Operating Temperature -20 °C to +60 °C (-4 °F to +140 °F)
Storage Temperature -20 °C to +60 °C (-4 °F to +140 °F)
Cable Qualification Standards IEC 60794-1-2 | 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 F5

Environmental Test Specifications

Low High Bend Test Method IEC 60794-1-21 E11
Temperature Cycle -20 °C to +60 °C (-4 °F to +140 °F)
Temperature Cycle Test Method IEC 60794-1-22 F1

Packaging and Weights

Cable weight 8.9 kg/km | 5.981 lb/kft

Included Products

CS-8W-250-EMEA – LightScope® ZWP Singlemode Fiber
8W-250um

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable