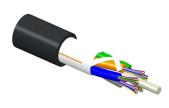
810009903/DB | B-096-LN-8F-M12BK/14D



Fiber OSP cable, LightScope® ZWP Blown Single Jacket All-Dielectric, 96 fiber, Stranded Microsheath Tube Construction, Gel-free, Singlemode G.657.A1, Meters jacket marking, Black jacket color

Product Classification

| Regional Availability | Europe |
|------------------------------|--|
| Portfolio | CommScope® |
| Product Type | Fiber OSP cable |
| Product Series | B-LN |
| General Specifications | |
| Cable Type | Microcable Stranded microsheath tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB F.O. CABLE 810009903/DB 96 X 9 /125 G657A1 HDPE (serial number) (meter mark) |
| Subunit, quantity | 8 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 96 |
| Dimensions | |
| Buffer Tube/Subunit Diameter | 1.4 mm 0.055 in |
| Diameter Over Jacket | 6.9 mm 0.272 in |
| Material Specifications | |

Jacket Material

High density polyethylene (HDPE)

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Mechanical Specifications

| Minimum Bend Radius, loaded | 120 mm 4.724 in |
|------------------------------------|---------------------------------------|
| Minimum Bend Radius, storage coils | 85 mm 3.346 in |
| Minimum Bend Radius, unloaded | 85 mm 3.346 in |
| Tensile Load, long term, maximum | 400 N 89.924 lbf |
| Tensile Load, short term, maximum | 1000 N 224.809 lbf |
| Compression | 5 N/mm 28.551 lb/in |
| Compression Test Method | IEC 60794-1-21 E3 |
| Flex | 25 cycles |
| Impact | 1 N-m 8.851 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 | 5 cycles |
| Twist Test Method | IEC 60794-1-21 E7 |
| Optical Specifications | |
| Fiber Type | G.657.A1 |

Environmental Specifications

| Installation temperature | -10 °C to +50 °C (+14 °F to +122 °F) |
|-------------------------------|--------------------------------------|
| Operating Temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | IEC 60794-1-2 |
| 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

| Low High Bend | -15 °C to +23 °C (+5 °F to +73 °F) |
|---------------------------|--------------------------------------|
| Low High Bend Test Method | IEC 60794-1-21 E11 |
| Temperature Cycle | -30 °C to +60 °C (-22 °F to +140 °F) |

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Temperature Cycle Test Method

IEC 60794-1-22 F1

Packaging and Weights

Cable weight

38.9 kg/km | 26.14 lb/kft

Included Products

CS-8F-LT

 Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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