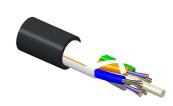
810009903/DB | B-096-LN-8F-M12BK/14D



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

Product Classification

Regional Availability Europe

Product Type CommScope® Fiber OSP cable

Product Series B-LN

General Specifications

Cable Type Microcable | Stranded microsheath tube

Construction Type Non-armored

Subunit TypeGel-freeJacket ColorBlackJacket MarkingMetersJacket Marking MethodInkjet

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 Diameter1.4 mm0.055 inDiameter Over Jacket6.9 mm0.272 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 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

Compression

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 IFC 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)

COMMSCOPE®

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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

