810010168/DB | C-008-DN-8F-M08BK/20G-P001



Fiber indoor/outdoor cable, LightScope ZWP® Gel-filled loose tube, 8 fiber, Singlemode G.657.Al, Meters jacket marking, Black jacket color, Dca flame rating

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

Product Series C-DN

General Specifications

Cable Type Central loose tube

Construction Type Non-armored

Subunit Type Gel-filled

Jacket Color Black

Jacket Marking Meters

Jacket Marking Method Inkjet

Jacket Marking Text OPTICAL CABLE COMMSCOPE ADSS-NOTKtcdD 8J7A1 (1x8)OF 1,5kN

(Serial Number) MM/YYYY 1234 M

Subunit, quantity 1

Fibers per Subunit, quantity 8

Total Fiber Count 8

Dimensions

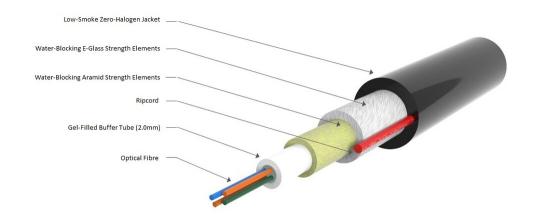
Buffer Tube/Subunit Diameter 2 mm | 0.079 in

Diameter Over Jacket 5.05 mm | 0.199 in

Representative Image



810010168/DB | C-008-DN-8F-M08BK/20G-P001



Mechanical Specifications

Minimum Bend Radius, loaded 25 mm | 0.984 in

Minimum Bend Radius, unloaded 25 mm | 0.984 in

Tensile Load, long term, maximum 400 N | 89.924 lbf

Tensile Load, short term, maximum 1500 N | 337.214 lbf

Cable Crush Resistance, maximum15 N/mm | 85.652 lb/in

Compression 15 N/mm | 85.652 lb/in

Compression Test Method IEC 60794-1-2 E3

Impact 3 N-m | 26.552 in lb

Impact Test Method IEC 60794-1 E4

Twist 5 cycles

Twist Test Method IEC 60794-1 E7

Optical Specifications

Fiber Type G.657.A1

Optical Specifications, Wavelength Specific

Attenuation, maximum 0.35 dB/km @ 1,300 nm

Environmental Specifications

Installation temperature $-10 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (+14 $^{\circ}\text{F}$ to +158 $^{\circ}\text{F}$)

Operating Temperature $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to +158 $^{\circ}\text{F}$)

Storage Temperature $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to +158 $^{\circ}\text{F}$)

Page 2 of 3



810010168/DB | C-008-DN-8F-M08BK/20G-P001

Cable Qualification Standards IEC 60794-1-2

EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings1aEN50575 CPR Cable EuroClass Droplets Ratingd0EN50575 CPR Cable EuroClass Acidity Ratinga1

Environmental Space Drop | Universal Low Smoke Zero Halogen (ULSZH)

Flame Test Listing IEC 60332-1-2

Flame Test Method EN 50399 | IEC 60754-2 | IEC 61034-2

Water Penetration 24 h

Environmental Test Specifications

Temperature Cycle $-40 \,^{\circ}\text{C}$ to $+70 \,^{\circ}\text{C}$ ($-40 \,^{\circ}\text{F}$ to $+158 \,^{\circ}\text{F}$)

Temperature Cycle Test Method IEC 60794-1-2 F1

Packaging and Weights

Cable weight 34 kg/km | 22.847 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

