760244553 | L-048-LN-8F-M12YL/14D/AY/D-DF35



Fiber indoor cable, Single Jacket All-Dielectric, Gel-Free, Stranded Microsheath Tube cable, 48 fiber (Red, Blue, Green, Yellow Tubes), Singlemode G.657.Al, Yellow jacket color, Dca flame rating. Provides Rodent Resistance

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA

 Portfolio
 CommScope®

 Product Type
 Fiber indoor cable

Product Series L-LN

General Specifications

Cable Type Stranded microsheath tube

Construction Type Non-armored

Subunit TypeGel-freeJacket ColorYellowJacket MarkingMetersJacket Marking MethodInkjet

Jacket Marking Text NETCEED MF0G20074D/CC OXG INDOORKABEL COMMSCOPE OPTICAL

CABLE 760244553 [MM/YYYY] 048 EN 50575 CLASS D [SERIAL NUMBER]

[METRE MARK]

Subunit, quantity 4

Fibers per Subunit, quantity 12

Total Fiber Count 48

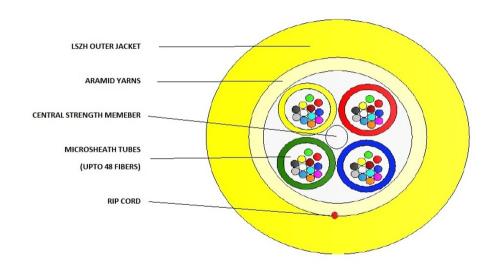
Dimensions

Buffer Tube/Subunit Diameter1.4 mm0.055 inDiameter Over Jacket5 mm0.197 in

Representative Image



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Material Specifications

Inner Jacket Material Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

Minimum Bend Radius, loaded 130 mm | 5.118 in

Minimum Bend Radius, unloaded 90 mm | 3.543 in

Tensile Load, long term, maximum 700 N | 157.366 lbf

Tensile Load, short term, maximum 1000 N | 224.809 lbf

Compression 10 N/mm | 57.101 lb/in

Compression Test Method FOTP-41 | IEC 60794-1 E3

Impact 2 N-m | 17.701 in lb

Impact Test Method FOTP-25 | IEC 60794-1 E4

Strain See long and short term tensile loads

Strain Test Method FOTP-33 | IEC 60794-1 E1

Optical Specifications

Fiber Type G.657.A1, TeraSPEED®

Optical Specifications, Wavelength Specific



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Attenuation, maximum 0.25 dB/km @ 1,550 nm | 0.27 dB/km @ 1,490 nm | 0.27 dB/km @

1,625 nm | 0.36 dB/km @ 1,310 nm

Environmental Specifications

Installation temperature $0 \, ^{\circ}\text{C} \, \text{to} + 50 \, ^{\circ}\text{C} \, (+32 \, ^{\circ}\text{F} \, \text{to} + 122 \, ^{\circ}\text{F})$ Operating Temperature $-20 \, ^{\circ}\text{C} \, \text{to} + 70 \, ^{\circ}\text{C} \, (-4 \, ^{\circ}\text{F} \, \text{to} + 158 \, ^{\circ}\text{F})$ Storage Temperature $-40 \, ^{\circ}\text{C} \, \text{to} + 70 \, ^{\circ}\text{C} \, (-40 \, ^{\circ}\text{F} \, \text{to} + 158 \, ^{\circ}\text{F})$

Cable Qualification Standards IEC 60794-1-2

EN50575 CPR Cable EuroClass Fire PerformanceDcaEN50575 CPR Cable EuroClass Smoke Ratings1EN50575 CPR Cable EuroClass Droplets Ratingd1EN50575 CPR Cable EuroClass Acidity Ratinga1

Environmental Space Low Smoke Zero Halogen (LSZH)

Environmental Test Specifications

Cable Freeze -2 °C | 28.4 °F

Cable Freeze Test MethodFOTP-98 | IEC 60794-1 F15Temperature Cycle-20 °C to +70 °C (-4 °F to +158 °F)

Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Packaging and Weights

Cable weight 23 kg/km | 15.455 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

