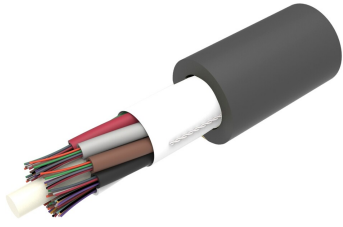


810010370/DB | C-024-LN-8F-M12BK/14D/D-0500-DK02



Indoor/Outdoor Low Smoke Zero Halogen / 24F Microsheath Breakout Fiber Optic Cable - Black

Product Classification

| | |
|------------------------------|----------------------------|
| Regional Availability | EMEA |
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | C-LN |

General Specifications

| | |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Cable Type | Stranded microsheath tube |
| Subunit Type | Gel-free |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | 0000M 8 x 12SM G.657.A1 SWE LSZH TDC -NET A/S - Lyslederkabel - GIV AGT - USYNLIGT LASERLYS COMMSCOPE UK [YYYY/WW] – [serial number] |
| Subunit, quantity | 8 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 96 |

Dimensions

| | |
|-------------------------------------|---------------------|
| Cable Length | 500 m 1,640.42 ft |
| Buffer Tube/Subunit Diameter | 1.4 mm 0.055 in |
| Diameter Over Jacket | 6.8 mm 0.268 in |

Mechanical Specifications

| | |
|-----------------------------------------|--------------------|
| Minimum Bend Radius, loaded | 60 mm 2.362 in |
| Minimum Bend Radius, unloaded | 90 mm 3.543 in |
| Tensile Load, long term, maximum | 200 N 44.962 lbf |

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| | |
|------------------------------------------|------------------------|
| Tensile Load, short term, maximum | 900 N 202.328 lbf |
| Cable Crush Resistance, maximum | 10 N/mm 57.101 lb/in |
| Compression Test Method | IEC 60794-1-21 E3 |
| Impact | 2 N-m 17.701 in lb |
| Impact Test Method | IEC 60794-1-21 E4 |
| Strain Test Method | IEC 60794-1-21 E1 |
| Twist | 5 cycles |
| Twist Test Method | IEC 60794-1 E7 |

Optical Specifications

| | |
|-------------------|----------|
| Fiber Type | G.657.A1 |
|-------------------|----------|

Optical Specifications, Wavelength Specific

| | |
|-----------------------------|-----------------------------------------------------------------------------------------------|
| 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 |
| Standards Compliance | TIA-492CAAB (OS2) |

Environmental Specifications

| | |
|-----------------------------------------------------|------------------------------------------------------|
| Installation temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Operating Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1a |
| EN50575 CPR Cable EuroClass Droplets Rating | d2 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Universal Low Smoke Zero Halogen (ULSZH) |
| Flame Test Listing | EN 50399 IEC 60332-1-2 |
| Flame Test Method | EN 50399 IEC 60332-1-2 IEC 60754-2 IEC 61034-2 |
| Water Penetration | 336 h |
| Water Penetration Test Method | IEC 60794-1 F5 |

Environmental Test Specifications

| | |
|--------------------------------------|--------------------------------------|
| Temperature Cycle | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1-22 F1 |

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Packaging and Weights

Cable weight

47 kg/km | 31.583 lb/kft

Regulatory Compliance/Certifications

Agency

Classification

CHINA-ROHS

Below maximum concentration value

REACH-SVHC

Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS

Compliant

UK-ROHS

Compliant



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