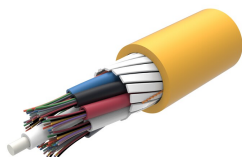


8-1594995-6 | L-048-LN-8F-M12YL/14D/AY/D



Fiber indoor cable, Single Jacket All-Dielectric, Gel-Free, Stranded Microsheath Tube cable, 48 fiber, Singlemode G.657.A1, 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 |

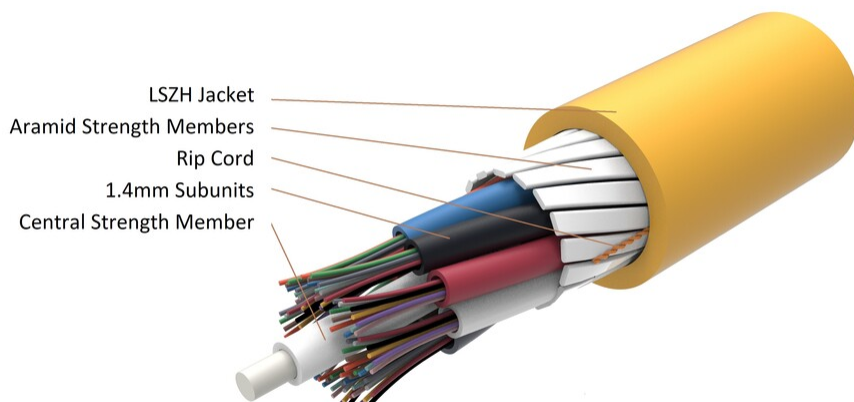
General Specifications

| | |
|-------------------------------------|--|
| Cable Type | Stranded microsheath tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Filler, quantity | 2 |
| Jacket Color | Yellow |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB OPTICAL CABLE 8-1594995-6 48XG657A1 LSZH [Serial NUMBER] [METRE MARK] |
| Subunit, quantity | 4 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 48 |

Dimensions

| | |
|-------------------------------------|-------------------|
| Buffer Tube/Subunit Diameter | 1.4 mm 0.055 in |
| Diameter Over Jacket | 8.5 mm 0.335 in |

Representative Image



Material Specifications

Inner Jacket Material Low Smoke Zero Halogen (LSZH)

Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 102 mm 4.016 in |
| Minimum Bend Radius, unloaded | 170 mm 6.693 in |
| Tensile Load, long term, maximum | 700 N 157.366 lbf |
| Tensile Load, short term, maximum | 1300 N 292.252 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 |
| Twist | 3 cycles |
| Twist Test Method | IEC 60794-1-21 E7 |

Optical Specifications

Fiber Type G.657.A1, TeraSPEED®

Optical Specifications, Wavelength Specific

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

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

Environmental Specifications

| | |
|---|--------------------------------------|
| Installation temperature | 0 °C to +50 °C (+32 °F to +122 °F) |
| Operating Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | IEC 60794-1-2 |
| EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1 |
| EN50575 CPR Cable EuroClass Droplets Rating | d1 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Low Smoke Zero Halogen (LSZH) |

Environmental Test Specifications

| | |
|--------------------------------------|-------------------------------------|
| Cable Freeze | -2 °C 28.4 °F |
| Cable Freeze Test Method | FOTP-98 IEC 60794-1 F15 |
| Temperature 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 | 67 kg/km 45.022 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