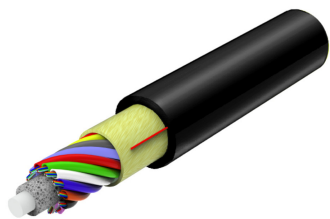


760249597 | C-096-LN-8F-MSPBK/14D/AY/D /4x500m



Fiber indoor/outdoor cable, LSZH, 96 fiber Microsheath Breakout, Singlemode G.657.A1, Gel-free, 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-LN |

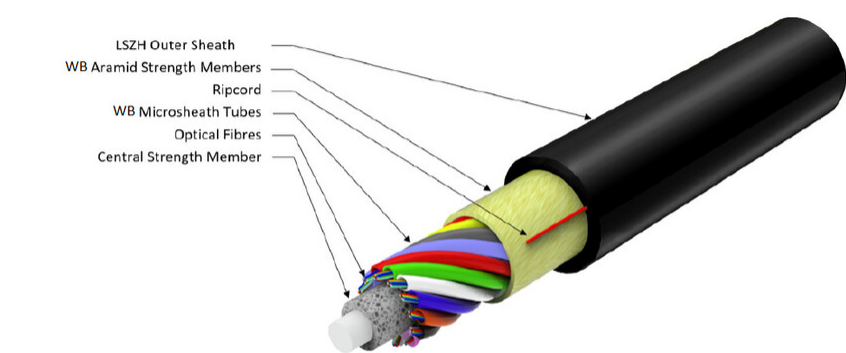
General Specifications

| | |
|------------------------------|---|
| Cable Type | Stranded microsheath tube |
| Subunit Type | Gel-free |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMScope GB F.O. CABLE 760249597 96x9/125 ITU-T G.657A1 EN50575 CLASS D ULSZH (serial number) (metre mark) |
| Subunit, quantity | 8 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 96 |

Dimensions

| | |
|------------------------------|----------------------|
| Cable Length | 2000 m 6,561.68 ft |
| Buffer Tube/Subunit Diameter | 1.4 mm 0.055 in |
| Diameter Over Jacket | 6.8 mm 0.268 in |

Representative Image



Mechanical Specifications

| | |
|-----------------------------------|------------------------|
| Minimum Bend Radius, loaded | 100 mm 3.937 in |
| Minimum Bend Radius, unloaded | 70 mm 2.756 in |
| Tensile Load, long term, maximum | 200 N 44.962 lbf |
| 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) |
| EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1a |
| EN50575 CPR Cable EuroClass Droplets Rating | d0 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Universal Low Smoke Zero Halogen (ULSZH) |
| 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 |

Packaging and Weights

| | |
|--------------|--------------------------|
| Cable weight | 47 kg/km 31.583 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 |
|-----------------------|---|