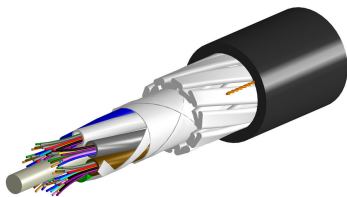


760242815 | C-024-LN-5L-F12BK/25D/HTS/B2



Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), 24 fiber, Gel-Free, Stranded Loose Tube, Multimode OM3, Feet jacket marking, Black jacket color, B2ca flame rating. Provides Rodent Resistance

Product Classification

| | |
|-----------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Portfolio | CommScope® |
| Product Type | Fiber indoor/outdoor cable |
| Product Series | C-LN |

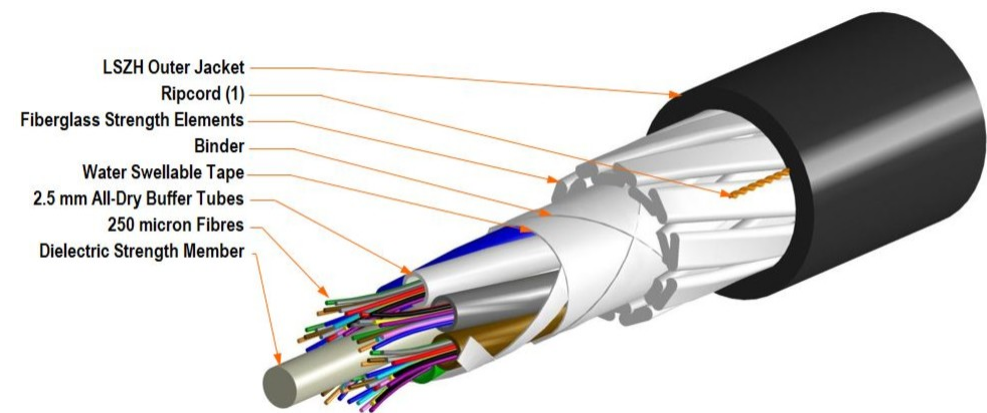
General Specifications

| | |
|------------------------------|---------------------|
| Cable Type | Stranded loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-free |
| Filler, quantity | 3 |
| Jacket Color | Black |
| Jacket Marking | Feet |
| Subunit, quantity | 2 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 24 |

Dimensions

| | |
|------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 2.5 mm 0.098 in |
| Diameter Over Jacket | 13.61 mm 0.536 in |

Representative Image



Mechanical Specifications

| | |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded | 204 mm 8.031 in |
| Minimum Bend Radius, unloaded | 136 mm 5.354 in |
| Tensile Load, long term, maximum | 1334 N 299.895 lbf |
| Tensile Load, short term, maximum | 4448 N 999.95 lbf |
| Compression | 22 N/mm 125.623 lb/in |
| Compression Test Method | FOTP-41 IEC 60794-1 E3 |
| Flex | 25 cycles |
| Flex Test Method | FOTP-104 IEC 60794-1 E6 |
| Impact | 4.41 N-m 39.032 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 | 10 cycles |
| Twist Test Method | FOTP-85 IEC 60794-1 E7 |
| Vertical Rise, maximum | 654 m 2,145.669 ft |

Optical Specifications

| | |
|------------|---|
| Fiber Type | OM3, LazrSPEED® 300 OM3, LazrSPEED® 300 |
|------------|---|

Environmental Specifications

| | |
|--------------------------|--------------------------------------|
| Installation temperature | -30 °C to +55 °C (-22 °F to +131 °F) |
| Operating Temperature | -40 °C to +60 °C (-40 °F to +140 °F) |

760242815 | C-024-LN-5L-F12BK/25D/HTS/B2

| | |
|--|--|
| Storage Temperature | -40 °C to +65 °C (-40 °F to +149 °F) |
| Cable Qualification Standards | ANSI/ICEA S-104-696 EN 187105 Telcordia GR-20 Telcordia GR-409 |
| EN50575 CPR Cable EuroClass Fire Performance | B2ca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1a |
| EN50575 CPR Cable EuroClass Droplets Rating | d0 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Aerial, lashed Buried Low Smoke Zero Halogen (LSZH) |
| Flame Test Method | IEC 60332-1 IEC 60754-2 IEC 61034-2 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | FOTP-82 IEC 60794-1 F5 |

Environmental Test Specifications

| | |
|-------------------------------|--------------------------------------|
| Cable Freeze | -2 °C 28.4 °F |
| Cable Freeze Test Method | FOTP-98 IEC 60794-1 F15 |
| Heat Age | -40 °C to +85 °C (-40 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -30 °C to +55 °C (-22 °F to +131 °F) |
| Low High Bend Test Method | FOTP-37 IEC 60794-1 E11 |
| Temperature Cycle | -40 °C to +60 °C (-40 °F to +140 °F) |
| Temperature Cycle Test Method | FOTP-3 IEC 60794-1 F1 |

Packaging and Weights

| | |
|--------------|----------------------------|
| Cable weight | 194 kg/km 130.362 lb/kft |
|--------------|----------------------------|

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



Included Products

| | |
|----------|---|
| CS-5L-LT | – LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber |
|----------|---|

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable