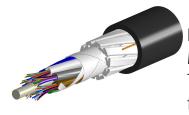
760243326 | C-024-LN-5L-M12BK/20G/HTS/D



Fiber indoor/outdoor cable, LazrSPEED® High Tensile Strength (LSZH) Mini All-Dielectric Single Jacket, 24 fiber, Gel-Filled, Stranded Loose Tube, Multimode OM3, Meters jacket marking, Black jacket color, Dca flame rating. Provides Rodent Resistance

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 loose tube |
| Construction Type | Non-armored |
| Subunit Type | Gel-filled |
| Filler, quantity | 4 |
| Jacket Color | Black |
| Jacket Marking | Meters |
| Jacket Marking Method | Inkjet |
| Jacket Marking Text | COMMSCOPE GB OPTICAL CABLE 760243326 24X OM3 MM LSZH EN50575 CLASS D [SERIAL NUMBER] [METER MARK] |
| Subunit, quantity | 2 |
| Fibers per Subunit, quantity | 12 |
| Total Fiber Count | 24 |
| Dimensions | |
| Buffer Tube/Subunit Diameter | 2 mm 0.079 in |
| Diameter Over Jacket | 12.8 mm 0.504 in |
| | |

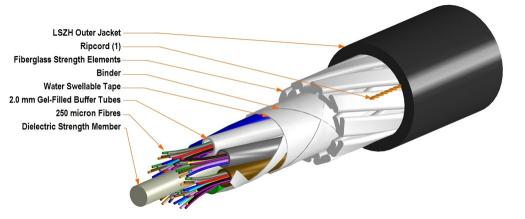
Representative Image

Page 1 of 6

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Mechanical Specifications

| Minimum Bend Radius, loaded | 193 mm 7.598 in |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, unloaded | 128 mm 5.039 in |
| Tensile Load, long term, maximum | 1350 N 303.492 lbf |
| Tensile Load, short term, maximum | 4500 N 1,011.641 lbf |
| Compression | 22 N/mm 125.623 lb/in |
| Compression Test Method | IEC 60794-1 E3 |
| Flex | 25 cycles |
| Flex Test Method | IEC 60794-1 E6 |
| Impact | 4.41 N-m 39.032 in lb |
| Impact Test Method | IEC 60794-1 E4 |
| Strain | See long and short term tensile loads |
| Strain Test Method | IEC 60794-1 E1 |
| Twist | 10 cycles |
| Twist Test Method | IEC 60794-1 E7 |
| Optical Specifications | |

Fiber Type

OM3, LazrSPEED® 300

Environmental Specifications

| Installation temperature | -10 °C to +50 °C (+14 °F to +122 °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) |

Page 2 of 6

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760243326 | C-024-LN-5L-M12BK/20G/HTS/D

| Cable Qualification Standards | IEC 60794-1-2 |
|--|---|
| EN50575 CPR Cable EuroClass Fire Performance | Dca |
| EN50575 CPR Cable EuroClass Smoke Rating | s2 |
| EN50575 CPR Cable EuroClass Droplets Rating | d0 |
| EN50575 CPR Cable EuroClass Acidity Rating | al |
| Environmental Space | Buried Low Smoke Zero Halogen (LSZH) |
| Flame Test Method | IEC 60332-1-2 IEC 60754-2 IEC 61034-2 |
| Jacket UV Resistance | UV stabilized |
| Water Penetration | 24 h |
| Water Penetration Test Method | IEC 60794-1 F5 |

Environmental Test Specifications

| Cable Freeze | -2 °C 28.4 °F |
|-------------------------------|--------------------------------------|
| Cable Freeze Test Method | IEC 60794-1 F15 |
| Heat Age | 0 °C to +85 °C (+32 °F to +185 °F) |
| Heat Age Test Method | IEC 60794-1 F9 |
| Low High Bend | -15 °C to +23 °C (+5 °F to +73 °F) |
| Low High Bend Test Method | IEC 60794-1 E11 |
| Temperature Cycle | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | IEC 60794-1 F1 |
| | |

Packaging and Weights

| Cable weight | 181 kg/km 121.626 lb/kft |
|--------------|----------------------------|
| | |

Included Products

CS-5L-LT

 LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

Page 3 of 6

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LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber

LazrSPEED® 300

Product Classification

| Portfolio | CommScope® |
|---|----------------------------|
| Product Type | Optical fiber |
| General Specifications | |
| Cladding Diameter | 125 µm |
| Cladding Diameter Tolerance | ±0.8 µm |
| Cladding Non-Circularity, maximum | 1 % |
| Coating Diameter (Colored) | 254 µm |
| Coating Diameter (Uncolored) | 245 µm |
| Coating Diameter Tolerance (Colored) | ±7 μm |
| Coating Diameter Tolerance (Uncolored) | ±10 μm |
| Coating/Cladding Concentricity Error, maximum | 12 µm |
| Core Diameter | 50 µm |
| Core Diameter Tolerance | ±2.5 µm |
| Core/Clad Offset, maximum | 1.5 µm |
| Proof Test | 689.476 N/mm² 100000 psi |
| | |

Mechanical Specifications

| Macrobending, 15 mm Ø mandrel, 2 turns | 0.20 dB @ 850 nm 0.50 dB @ 1,300 nm |
|--|---------------------------------------|
| Macrobending, 30 mm Ø mandrel, 2 turns | 0.10 dB @ 850 nm 0.30 dB @ 1,300 nm |
| Macrobending, 75 mm Ø mandrel, 100 turns | 0.50 dB @ 1,300 nm 0.50 dB @ 850 nm |
| Coating Strip Force, maximum | 8.9 N 2.001 lbf |
| Coating Strip Force, minimum | 1.3 N 0.292 lbf |
| Dynamic Fatigue Parameter, minimum | 18 |

Page 4 of 6

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CS-5L-LT

Optical Specifications

| Numerical Aperture | 0.2 |
|-------------------------------------|---------------------|
| Numerical Aperture Tolerance | ±0.015 |
| Point Defects, maximum | 0.15 dB |
| Zero Dispersion Slope, maximum | 0.105 ps/[km-nm-nm] |
| Zero Dispersion Wavelength, maximum | 1316 nm |
| Zero Dispersion Wavelength, minimum | 1297 nm |

Optical Specifications, Wavelength Specific

| 1 Gbps Ethernet Distance | 1,020 m @ 850 nm 600 m @ 1,300 nm |
|------------------------------|--|
| 10 Gbps Ethernet Distance | 300 m @ 850 nm |
| Attenuation, maximum | 1.00 dB/km @ 1,300 nm 3.00 dB/km @ 850 nm |
| Backscatter Coefficient | -68.0 dB @ 850 nm -75.7 dB @ 1,300 nm |
| Bandwidth, Laser, minimum | 2,000 MHz-km @ 850 nm 500 MHz-km @ 1,300 nm |
| Bandwidth, OFL, minimum | 1,500 MHz-km @ 850 nm 500 MHz-km @ 1,300 nm |
| Differential Mode Delay | 0.70 ps/m @ 850 nm 0.88 ps/m @ 1,300 nm |
| Differential Mode Delay Note | Superior to TIA-492AAAC and IEC 60793-2-10 at 850 nm |
| Index of Refraction | 1.479 @ 1,300 nm 1.483 @ 850 nm |
| Standards Compliance | TIA-492AAAC (OM3) |

Environmental Specifications

| Heat Aging, maximum | 0.20 dB/km @ 85 °C |
|---------------------------------------|--------------------|
| Temperature Dependence, maximum | 0.1 dB/km |
| Temperature Humidity Cycling, maximum | 0.2 dB/km |
| Water Immersion, maximum | 0.20 dB/km @ 23 °C |

Regulatory Compliance/Certifications

| Agency C | Classification |
|----------|----------------|
|----------|----------------|

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

* Footnotes

| Temperature Dependence, maximum | Temperature dependence is conducted at -60 °C to +85 °C (-76 °F to +185 °F) |
|---------------------------------------|---|
| Temperature Humidity Cycling, maximum | Temperature humidity cycling is conducted at -10 °C to +85 °C (+14 °F to +185 °F) |

Page 5 of 6

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up to 95% relative humidity

Page 6 of 6

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