

Product Classification

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

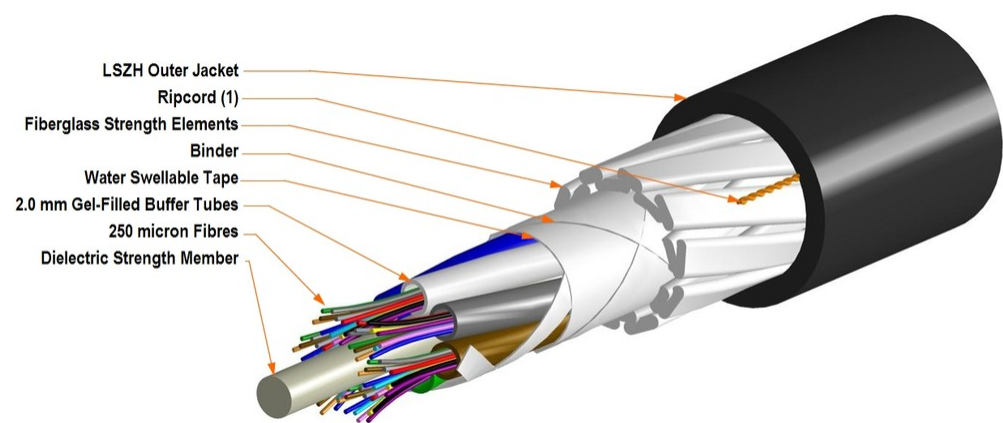
General Specifications

|                              |                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------|
| Cable Type                   | Stranded loose tube                                                                             |
| Subunit Type                 | Gel-filled                                                                                      |
| Filler, quantity             | 5                                                                                               |
| Jacket Color                 | Black                                                                                           |
| Jacket Marking               | Meters                                                                                          |
| Jacket Marking Method        | Inkjet                                                                                          |
| Jacket Marking Text          | COMMScope GB OPTICAL CABLE760243317 4x OM3 MM LSZH EN50575 CLASS D [SERIAL NUMBER] [METER MARK] |
| Subunit, quantity            | 1                                                                                               |
| Fibers per Subunit, quantity | 4                                                                                               |
| Total Fiber Count            | 4                                                                                               |

Dimensions

|                              |                    |
|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2 mm   0.079 in    |
| Diameter Over Jacket         | 12.8 mm   0.504 in |

Representative Image



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  | 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           | IEC 60794-1 E3                        |
| Flex                              | 25 cycles                             |
| Flex Test Method                  | IEC 60794-1 E6                        |
| 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                        |
| Vertical Rise, maximum            | 816 m   2,677.165 ft                  |

Optical Specifications

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

Environmental Specifications

|                          |                                      |
|--------------------------|--------------------------------------|
| Installation temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
| Operating Temperature    | -40 °C to +70 °C (-40 °F to +158 °F) |
| Storage Temperature      | -40 °C to +75 °C (-40 °F to +167 °F) |

760243317 | C-004-LN-5L-M04BK/20G/HTS/D

|                                              |                                                         |
|----------------------------------------------|---------------------------------------------------------|
| Cable Qualification Standards                | EN 187105   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   | a1                                                      |
| Environmental Space                          | Aerial, lashed   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      | 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 +60 °C (-22 °F to +140 °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 | 167 kg/km   112.219 lb/kft |
|--------------|----------------------------|

Regulatory Compliance/Certifications

| Agency     | Classification                                                                                                                  |
|------------|---------------------------------------------------------------------------------------------------------------------------------|
| CHINA-ROHS | Below maximum concentration value                                                                                               |
| REACH-SVHC | Compliant as per SVHC revision on <a href="https://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS       | Compliant                                                                                                                       |
| UK-ROHS    | Compliant                                                                                                                       |



Included Products

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

Fiber

\* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable

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                                    |

# 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        | Classification                                                                 |
|---------------|--------------------------------------------------------------------------------|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



\* Footnotes

# CS-5L-LT

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|                                              |                                                                                                               |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Temperature Dependence, maximum</b>       | Temperature dependence is conducted at -60 °C to +85 °C (-76 °F to +185 °F)                                   |
| <b>Temperature Humidity Cycling, maximum</b> | Temperature humidity cycling is conducted at -10 °C to +85 °C (+14 °F to +185 °F) up to 95% relative humidity |