



Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket/Single Armor, Low Smoke Zero Halogen (LSZH), 12 fiber, Gel Filled , Stranded Loose Tube, Multimode OM3, Meters jacket marking, Black jacket color, B2ca flame rating

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

## Product Classification

|                              |                            |
|------------------------------|----------------------------|
| <b>Regional Availability</b> | EMEA                       |
| <b>Portfolio</b>             | CommScope®                 |
| <b>Product Type</b>          | Fiber indoor/outdoor cable |
| <b>Product Series</b>        | C-LA                       |

## General Specifications

|                                     |  |
|-------------------------------------|--|
| <b>Armor Type</b>                   | Corrugated steel   |
| <b>Cable Type</b>                   | Stranded loose tube  |
| <b>Construction Type</b>            | Armored  |
| <b>Subunit Type</b>                 | Gel-filled   |
| <b>Jacket Color</b>                 | Black  |
| <b>Jacket Marking</b>               | Meters   |
| <b>Jacket Marking Method</b>        | Inkjet   |
| <b>Jacket Marking Text</b>          | COMMSCOPE GB OPTICAL CABLE 5L MM 12 FIBER EN50575 CLASS B [SERIAL NUMBER] [MM/YY] [METRE MARK] |
| <b>Subunit, quantity</b>            | 6  |
| <b>Fibers per Subunit, quantity</b> | 12   |
| <b>Total Fiber Count</b>            | 12   |

## Dimensions

|                                     |                    |
|-------------------------------------|--------------------|
| <b>Buffer Tube/Subunit Diameter</b> | 2 mm   0.079 in    |
| <b>Diameter Over Jacket</b>         | 12.3 mm   0.484 in |

## Representative Image



## Mechanical Specifications

|  |                                       |
|--|---------------------------------------|
| <b>Minimum Bend Radius, loaded</b>       | 200 mm   7.874 in                     |
| <b>Minimum Bend Radius, unloaded</b>     | 133 mm   5.236 in                     |
| <b>Tensile Load, long term, maximum</b>  | 800 N   179.847 lbf                   |
| <b>Tensile Load, short term, maximum</b> | 2700 N   606.984 lbf                  |
| <b>Compression</b>                       | 44 N/mm   251.246 lb/in               |
| <b>Compression Test Method</b>           | IEC 60794-1 E3                        |
| <b>Flex</b>                              | 25 cycles                             |
| <b>Flex Test Method</b>                  | IEC 60794-1 E6                        |
| <b>Impact</b>                            | 10 N-m   88.507 in lb                 |
| <b>Impact Test Method</b>                | IEC 60794-1 E4                        |
| <b>Strain</b>                            | See long and short term tensile loads |
| <b>Strain Test Method</b>                | FOTP-33   IEC 60794-1 E1              |
| <b>Twist</b>                             | 10 cycles                             |
| <b>Twist Test Method</b>                 | IEC 60794-1 E7                        |
| <b>Vertical Rise, maximum</b>            | 432 m   1,417.323 ft                  |

## Optical Specifications

|                   |   |
|-------------------|---|
| <b>Fiber Type</b> | OM3, LazrSPEED® 300   OM3, LazrSPEED® 300 |
|-------------------|---|

## Environmental Specifications

|                                 |                                      |
|---------------------------------|--------------------------------------|
| <b>Installation temperature</b> | -30 °C to +60 °C (-22 °F to +140 °F) |
| <b>Operating Temperature</b>    | -40 °C to +70 °C (-40 °F to +158 °F) |

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|   |   |
|---|---|
| <b>Storage Temperature</b>                          | -40 °C to +75 °C (-40 °F to +167 °F)                    |
| <b>Cable Qualification Standards</b>                | EN 187105   IEC 60794-1-2                               |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | B2ca  |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s1a   |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d0  |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1  |
| <b>Environmental Space</b>                          | Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH) |
| <b>Flame Test Method</b>                            | IEC 60332-1-2   IEC 60754-2   IEC 61034-2               |
| <b>Jacket UV Resistance</b>                         | UV stabilized   |
| <b>Water Penetration</b>                            | 24 h  |
| <b>Water Penetration Test Method</b>                | IEC 60794-1 F5  |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Cable Freeze</b>                  | -2 °C   28.4 °F                      |
| <b>Cable Freeze Test Method</b>      | IEC 60794-1 F15                      |
| <b>Heat Age</b>                      | -40 °C to +85 °C (-40 °F to +185 °F) |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                       |
| <b>Low High Bend</b>                 | -30 °C to +60 °C (-22 °F to +140 °F) |
| <b>Low High Bend Test Method</b>     | IEC 60794-1 E11                      |
| <b>Temperature Cycle</b>             | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | IEC 60794-1 F1                       |

## Packaging and Weights

|                     |                              |
|---------------------|------------------------------|
| <b>Cable weight</b> | 199.4 kg/km   133.991 lb/kft |
|---------------------|------------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| CENELEC       | EN 50575 compliant, Declaration of Performance (DoP) available   |
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system   |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://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