



LazrSPEED® Low Smoke Zero Halogen Riser Distribution Cable, interlocking aluminum armored with low smoke zero halogen riser jacket, 48 fiber multi-unit with 12 fiber subunits

Product Classification

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

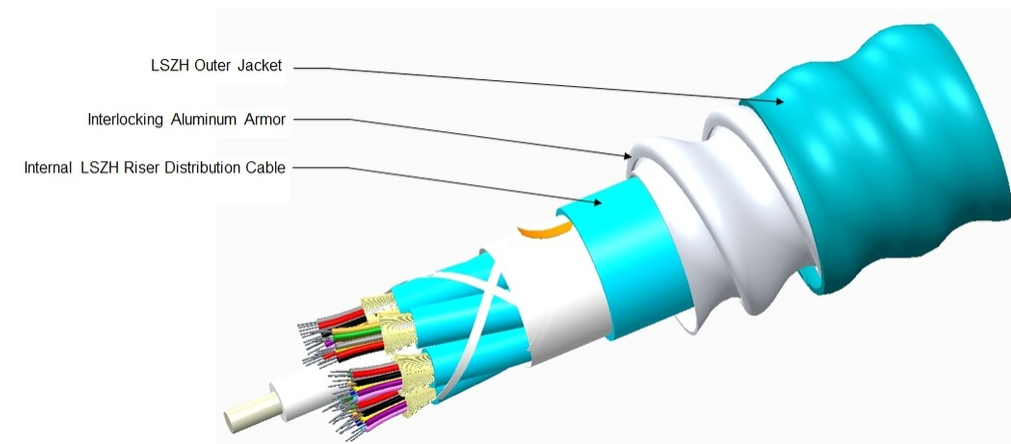
General Specifications

|                              |                       |
|------------------------------|-----------------------|
| Armor Type                   | Interlocking aluminum |
| Cable Type                   | Distribution          |
| Construction Type            | Armored               |
| Fiber Type, quantity         | 48                    |
| Fibers per Subunit, quantity | 12                    |
| Jacket Color                 | Lime green            |
| Subunit Type                 | Gel-free              |
| Subunit, quantity            | 4                     |
| Total Fiber Count            | 48                    |

Dimensions

|                              |                     |
|------------------------------|---------------------|
| Buffer Tube/Subunit Diameter | 6.07 mm   0.239 in  |
| Diameter Over Armor          | 22.23 mm   0.875 in |
| Diameter Over Jacket         | 24.3 mm   0.957 in  |

Representative Image



Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 364 mm   14.331 in                    |
| Minimum Bend Radius, unloaded     | 243 mm   9.567 in                     |
| Tensile Load, long term, maximum  | 400 N   89.924 lbf                    |
| Tensile Load, short term, maximum | 1335 N   300.12 lbf                   |
| Compression                       | 85 N/mm   485.363 lb/in               |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3              |
| Flex                              | 25 cycles                             |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6             |
| Impact                            | 35 N-m   309.776 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            | 92 m   301.837 ft                     |

Optical Specifications

|            |                                                     |
|------------|-----------------------------------------------------|
| Fiber Type | OM5, LazrSPEED® wideband   OM5, LazrSPEED® wideband |
|------------|-----------------------------------------------------|

Environmental Specifications

|                          |                                      |
|--------------------------|--------------------------------------|
| Installation temperature | -10 °C to +60 °C (+14 °F to +140 °F) |
| Operating Temperature    | -20 °C to +70 °C (-4 °F to +158 °F)  |

|                                                     |                                                                        |
|-----------------------------------------------------|------------------------------------------------------------------------|
| <b>Storage Temperature</b>                          | -40 °C to +70 °C (-40 °F to +158 °F)                                   |
| <b>Cable Qualification Standards</b>                | ANSI/ICEA S-83-596   Telcordia GR-409                                  |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | B2ca                                                                   |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s2                                                                     |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d2                                                                     |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1                                                                     |
| <b>Environmental Space</b>                          | Low Smoke Zero Halogen (LSZH)   Riser                                  |
| <b>Flame Test Listing</b>                           | NEC OFCR-ST1 (ETL) and c(ETL)                                          |
| <b>Flame Test Method</b>                            | IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 383   UL 1666   UL 1685 |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Heat Age</b>                      | -20 °C to +85 °C (-4 °F to +185 °F)  |
| <b>Heat Age Test Method</b>          | IEC 60794-1 F9                       |
| <b>Low High Bend</b>                 | -10 °C to +60 °C (+14 °F to +140 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11            |
| <b>Temperature Cycle</b>             | -20 °C to +70 °C (-4 °F to +158 °F)  |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1              |

## Packaging and Weights

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 443 kg/km   297.682 lb/kft |
|---------------------|----------------------------|

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>                                                          |
|---------------|--------------------------------------------------------------------------------|
| 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-5G-TB | – LazrSPEED® OM5 WideBand Multimode Fiber |
|----------|-------------------------------------------|

## \* Footnotes

|                              |                                                             |
|------------------------------|-------------------------------------------------------------|
| <b>Operating Temperature</b> | Specification applicable to non-terminated bulk fiber cable |
|------------------------------|-------------------------------------------------------------|