

LazrSPEED® Indoor/Outdoor Low Smoke Zero Halogen Riser Distribution Cable, 12 fiber single-unit

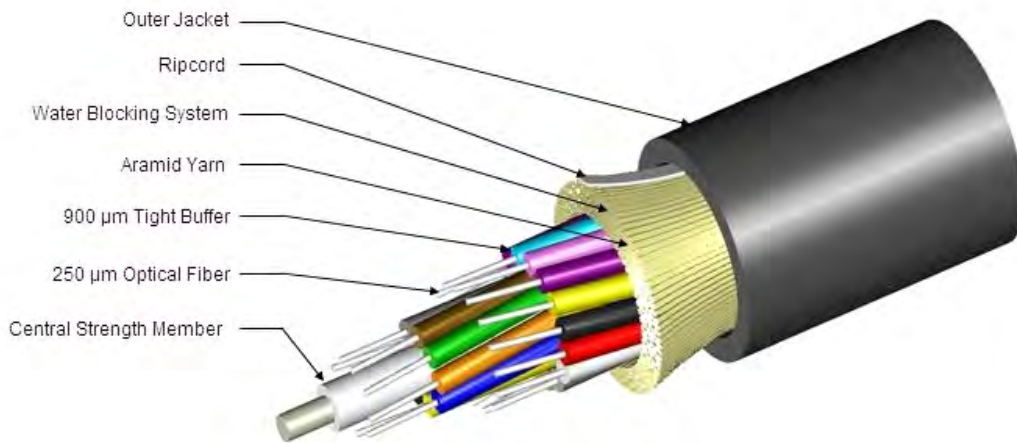
## Product Classification

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

## Standards And Qualifications

|                                      |  |
|--------------------------------------|--|
| <b>EN50575 CPR Cable EuroClass</b>   | Dca   s1a   d1   a2  |
| <b>Cable Qualification Standards</b> | ANSI/ICEA S-104-696   EN 187105   Telcordia GR-20 (water penetration)   Telcordia GR-409 |

## Representative Image



## General Specifications

|                          |              |
|--------------------------|--------------|
| <b>Construction Type</b> | Non-armored  |
| <b>Cable Type</b>        | Distribution |

## Construction Materials

|                            |                     |
|----------------------------|---------------------|
| <b>Fiber Type Solution</b> | OM4, LazrSPEED® 550 |
| <b>Total Fiber Count</b>   | 12                  |

|                             |                     |
|-----------------------------|---------------------|
| <b>Fiber Type</b>           | OM4, LazrSPEED® 550 |
| <b>Fiber Type, quantity</b> | 12                  |
| <b>Jacket Color</b>         | Black               |
| <b>Jacket UV Resistance</b> | UV stabilized       |

## Dimensions

|                             |                          |
|-----------------------------|--------------------------|
| <b>Cable Weight</b>         | 33.0 lb/kft   49.0 kg/km |
| <b>Diameter Over Jacket</b> | 7.20 mm   0.28 in        |

## Physical Specifications

|  |                     |
|--|---------------------|
| <b>Minimum Bend Radius, loaded</b>       | 10.8 cm   4.3 in    |
| <b>Minimum Bend Radius, unloaded</b>     | 7.2 cm   2.8 in     |
| <b>Tensile Load, long term, maximum</b>  | 120 lbf   534 N     |
| <b>Tensile Load, short term, maximum</b> | 400 lbf   1780 N    |
| <b>Vertical Rise, maximum</b>            | 500.0 m   1640.4 ft |

## Flame Test Specifications

|                           |  |
|---------------------------|--|
| <b>Flame Test Listing</b> | NEC OFNR-LS (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 Specifications

|                                 |                                       |
|---------------------------------|---------------------------------------|
| <b>Environmental Space</b>      | Low Smoke Zero Halogen (LSZH)   Riser |
| <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)  |
| <b>Storage Temperature</b>      | -40 °C to +75 °C (-40 °F to +167 °F)  |

## Mechanical Test Specifications

|                                |                                       |
|--------------------------------|---------------------------------------|
| <b>Compression</b>             | 126 lb/in   22 N/mm                   |
| <b>Compression Test Method</b> | FOTP-41   IEC 60794-1 E3              |
| <b>Flex</b>                    | 100 cycles                            |
| <b>Flex Test Method</b>        | FOTP-104   IEC 60794-1 E6             |
| <b>Impact</b>                  | 4.34 ft lb   5.88 N-m                 |
| <b>Impact Test Method</b>      | FOTP-25   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>       | FOTP-85   IEC 60794-1 E7              |
| <b>Water Penetration</b>       | 24 h                                  |

**Water Penetration Test Method** FOTP-82 | IEC 60794-1 F5

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <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>                 | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Low High Bend Test Method</b>     | FOTP-37   IEC 60794-1 E11            |
| <b>Temperature Cycle</b>             | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | FOTP-3   IEC 60794-1 F1              |

## Regulatory Compliance/Certifications

| <b>Agency</b>   | <b>Classification</b>  |
|-----------------|--|
| RoHS 2011/65/EU | Compliant  |
| ISO 9001:2008   | Designed, manufactured and/or distributed under this quality management system |



## Included Products

CS-5K-TB (Product Component—not orderable) — LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber

## \* Footnotes

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