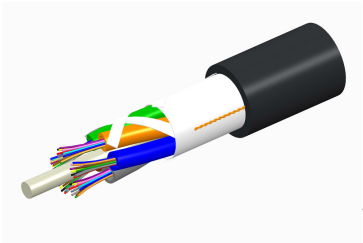


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/5L024/E

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Fiber indoor/outdoor cable, TeraSPEED®, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), 48 fiber, Multimode/Singlemode, Gel-Free, Stranded Loose Tube, Black jacket color, Feet cable marking, Eca flame rating

Product Classification

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

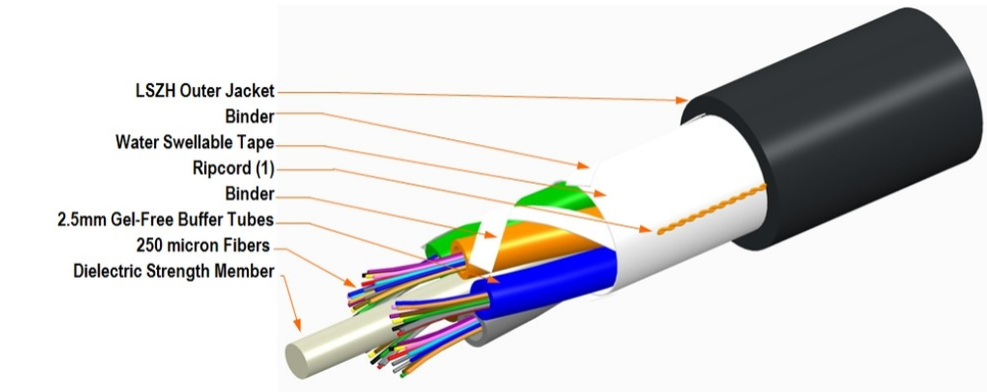
General Specifications

|                              |                     |
|------------------------------|---------------------|
| Cable Type                   | Stranded loose tube |
| Construction Type            | Non-armored         |
| Subunit Type                 | Gel-free            |
| Filler, quantity             | 1                   |
| Jacket Color                 | Black               |
| Jacket Marking               | Feet                |
| Subunit, quantity            | 4                   |
| Fibers per Subunit, quantity | 12                  |
| Composite Fiber Count        | 24 + 24             |
| Total Fiber Count            | 48                  |

Dimensions

|                              |                    |
|------------------------------|--------------------|
| Buffer Tube/Subunit Diameter | 2.5 mm   0.098 in  |
| Diameter Over Jacket         | 11.7 mm   0.461 in |

Representative Image



## Mechanical Specifications

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Minimum Bend Radius, loaded       | 175 mm   6.89 in                      |
| Minimum Bend Radius, unloaded     | 117 mm   4.606 in                     |
| Tensile Load, long term, maximum  | 800 N   179.847 lbf                   |
| Tensile Load, short term, maximum | 2700 N   606.984 lbf                  |
| Compression                       | 22 N/mm   125.623 lb/in               |
| Compression Test Method           | FOTP-41   IEC 60794-1 E3              |
| Flex                              | 25 cycles                             |
| Flex Test Method                  | FOTP-104   IEC 60794-1 E6             |
| Impact                            | 3 N-m   26.552 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            | 654 m   2,145.669 ft                  |

## Optical Specifications

|            |  |
|------------|--|
| Fiber Type | Composite MM/SM   G.652.D and G.657.A1, TeraSPEED®   OM3, LazrSPEED® 300   OS2   OS2 |
|------------|--|

## 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) |

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|  |  |
|--|--|
| Storage Temperature                          | -40 °C to +75 °C (-40 °F to +167 °F)                                 |
| Cable Qualification Standards                | ANSI/ICEA S-104-696   EN 187105   Telcordia GR-20   Telcordia GR-409 |
| EN50575 CPR Cable EuroClass Fire Performance | Eca  |
| Environmental Space                          | Aerial, lashed   Buried   Low Smoke Zero Halogen (LSZH)              |
| Flame Test Listing                           | NEC OFN-ST1 (ETL) and c(ETL)   |
| Flame Test Method                            | IEC 60332-3   IEC 60754-2   IEC 61034-2   IEEE 1202   UL 1685        |
| Jacket UV Resistance                         | UV stabilized  |
| Water Penetration                            | 24 h   |
| Water Penetration Test Method                | FOTP-82   IEC 60794-1 F5   |

## Environmental Test Specifications

|                               |                                      |
|-------------------------------|--------------------------------------|
| Cable Freeze                  | -2 °C   28.4 °F                      |
| Cable Freeze Test Method      | FOTP-98   IEC 60794-1 F15            |
| Drip                          | 70 °C   158 °F                       |
| Drip Test Method              | FOTP-81   IEC 60794-1 E14            |
| 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     | FOTP-37   IEC 60794-1 E11            |
| Temperature Cycle             | -40 °C to +70 °C (-40 °F to +158 °F) |
| Temperature Cycle Test Method | FOTP-3   IEC 60794-1 F1              |

## Packaging and Weights

|              |                           |
|--------------|---------------------------|
| Cable weight | 125 kg/km   83.996 lb/kft |
|--------------|---------------------------|

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| 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-5L-LT | – LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber |
|----------|---|

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CS-8W-IOLT – TeraSPEED® OS2 Singlemode Fiber

## \* Footnotes

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