

Fiber indoor cable, TeraSPEED® Riser/LSZH rated Distribution, interlocking aluminum armored, Multimode/Singlemode, 6 fiber single-unit, Gel-free, Feet jacket marking, Aqua jacket color, B2ca flame rating

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Portfolio

CommScope®

Product Type

Fiber indoor cable

Product Series

N-DZ

General Specifications

Armor Type

Interlocking aluminum

Cable Type

Distribution

Construction Type

Armored

Subunit Type

Gel-free

Jacket Color

Aqua

Jacket Marking

Feet

Composite Fiber Count

2 + 4

Total Fiber Count

6

Dimensions

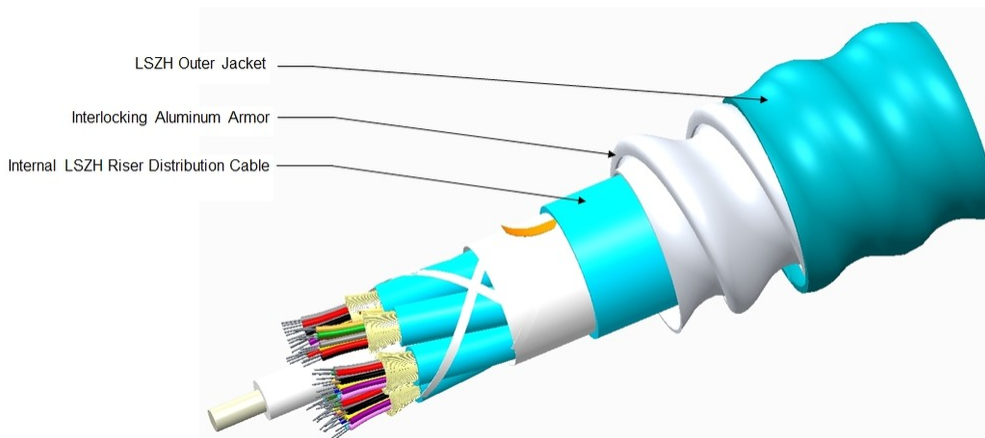
Diameter Over Armor

10.8 mm | 0.425 in

Diameter Over Jacket

12.8 mm | 0.504 in

Representative Image



Mechanical Specifications

| | |
|--|---------------------------------------|
| Minimum Bend Radius, loaded | 192 mm 7.559 in |
| Minimum Bend Radius, unloaded | 128 mm 5.039 in |
| Tensile Load, long term, maximum | 200 N 44.962 lbf |
| Tensile Load, short term, maximum | 667 N 149.948 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 | 146 m 479.003 ft |

Optical Specifications

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

Environmental Specifications

| | |
|---------------------------------|--------------------------------------|
| Installation temperature | -10 °C to +60 °C (+14 °F to +140 °F) |
|---------------------------------|--------------------------------------|

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| | |
|---|---|
| Operating Temperature | -20 °C to +70 °C (-4 °F to +158 °F) |
| Storage Temperature | -40 °C to +70 °C (-40 °F to +158 °F) |
| Cable Qualification Standards | ANSI/ICEA S-83-596 Telcordia GR-409 |
| EN50575 CPR Cable EuroClass Fire Performance | B2ca |
| EN50575 CPR Cable EuroClass Smoke Rating | s1a |
| EN50575 CPR Cable EuroClass Droplets Rating | d2 |
| EN50575 CPR Cable EuroClass Acidity Rating | a1 |
| Environmental Space | Low Smoke Zero Halogen (LSZH) Riser |
| Flame Test Listing | NEC OFCR-ST1 (ETL) and c(ETL) |
| Flame Test Method | IEC 60332-3 IEC 60754-2 IEC 61034-2 UL 1666 UL 1685 |

Environmental Test Specifications

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

Packaging and Weights

| | |
|---------------------|---------------------------|
| Cable weight | 140 kg/km 94.076 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-TB | - LazrSPEED® 300 OM3 Bend-Insensitive Multimode Fiber |
| CS-8W-TB | - TeraSPEED® Singlemode Fiber |

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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