

Fiber indoor cable, TeraSPEED® Low Smoke Zero Halogen Riser Distribution, interlocking aluminum armored, Multimode/Singlemode, 72 fiber multi-unit with 12 fiber subunits, 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

Gel-free **Subunit Type** 

Aqua **Jacket Marking** Feet

Subunit, quantity 6

12 Fibers per Subunit, quantity

**Composite Fiber Count** 24 + 48

**Total Fiber Count** 72

Dimensions

**Jacket Color** 

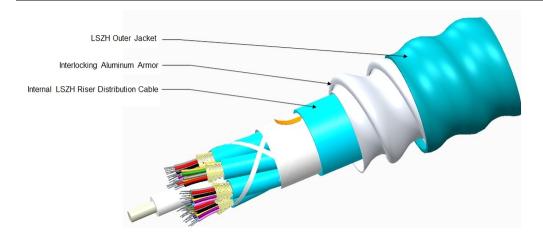
**Buffer Tube/Subunit Diameter** 6.07 mm | 0.239 in

**Diameter Over Armor** 26.04 mm | 1.025 in

**Diameter Over Jacket** 28.1 mm | 1.106 in

Representative Image





### Mechanical Specifications

Minimum Bend Radius, loaded421 mm16.575 inMinimum Bend Radius, unloaded281 mm11.063 inTensile Load, long term, maximum400 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** 66 m | 216.535 ft

Optical Specifications

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**  $-20 \,^{\circ}\text{C to } +70 \,^{\circ}\text{C } (-4 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$ 

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 s2

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**  $-20 \,^{\circ}\text{C}$  to  $+85 \,^{\circ}\text{C}$   $(-4 \,^{\circ}\text{F}$  to  $+185 \,^{\circ}\text{F})$ 

Heat Age Test Method IEC 60794-1 F9

**Low High Bend**  $-10 \,^{\circ}\text{C}$  to  $+60 \,^{\circ}\text{C}$  (+14  $^{\circ}\text{F}$  to +140  $^{\circ}\text{F}$ )

**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** 618 kg/km | 415.277 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

CENELEC

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

**COMMSCOPE®** 

