# 760134742 | Z-072-DZ-8W-FMUBK



Fiber indoor/outdoor cable, TeraSPEED® LSZH Riser Distribution, interlocking aluminum armored, 72 fiber multi-unit with 12 fiber subunits, Singlemode G.652.D and G.657.A1, Gel-free, Feet jacket marking, Black jacket color

#### **Product Classification**

Regional Availability

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

America

Portfolio CommScope®

Product Type Fiber indoor/outdoor cable

**Product Series** Z-DZ

### General Specifications

Armor Type Interlocking aluminum

Cable TypeDistributionConstruction TypeArmoredSubunit TypeGel-freeJacket ColorBlackJacket MarkingFeet

Subunit, quantity 6
Fibers per Subunit, quantity 12
Total Fiber Count 72

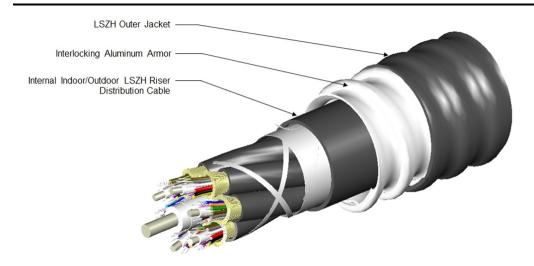
#### Dimensions

Buffer Tube/Subunit Diameter7.2 mm | 0.283 inDiameter Over Armor29.85 mm | 1.175 inDiameter Over Jacket31.9 mm | 1.256 in

### Representative Image



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#### Mechanical Specifications

Minimum Bend Radius, loaded478 mm18.819 inMinimum Bend Radius, unloaded319 mm12.559 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** 53 m | 173.885 ft

Optical Specifications

**Fiber Type** G.652.D and G.657.A1, TeraSPEED®

**Environmental Specifications** 

Installation temperature -30 °C to +60 °C (-22 °F to +140 °F)

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Operating Temperature  $-40 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  ( $-40 \,^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

Storage Temperature  $-40 \,^{\circ}\text{C}$  to  $+75 \,^{\circ}\text{C}$  ( $-40 \,^{\circ}\text{F}$  to  $+167 \,^{\circ}\text{F}$ )

Cable Qualification Standards ANSI/ICEA S-104-696 | EN 187105 | Telcordia GR-20 (water penetration

for internal cable) | Telcordia GR-409

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

Jacket UV Resistance UV stabilized

Water Penetration 24 h

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

**Environmental Test Specifications** 

Cable Freeze Test Method IEC 60794-1 F15

**Heat Age**  $-40 \,^{\circ}\text{C} \text{ to } +85 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +185 \,^{\circ}\text{F})$ 

**Heat Age Test Method** IEC 60794-1 F9

**Low High Bend** -40 °C to +70 °C (-40 °F to +158 °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** 774 kg/km | 520.104 lb/kft

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

Included Products

CS-8W-TB - TeraSPEED® Singlemode Fiber

\* Footnotes

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

