#### P-036-0Z-8W-FMUBK 760134940 l



Fiber indoor/outdoor cable, TeraSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum jacket, Singlemode G.652.D and G.657.A1, 36 fiber multi-unit with 12 fiber subunits, Black jacket color, Feet cable marking

### **Product Classification**

**Regional Availability** Asia | Australia/New Zealand | Latin America | Middle East

Gel-free

Feet

/Africa | North America

**Portfolio** CommScope®

**Product Type** Fiber indoor/outdoor cable

**Product Series** P-OZ

General Specifications

**Armor Type** Interlocking aluminum

Cable Type Distribution

**Construction Type** Armored

**Subunit Type** Black

**Jacket Color** 

3 Subunit, quantity

Fibers per Subunit, quantity 12

**Total Fiber Count** 36

Dimensions

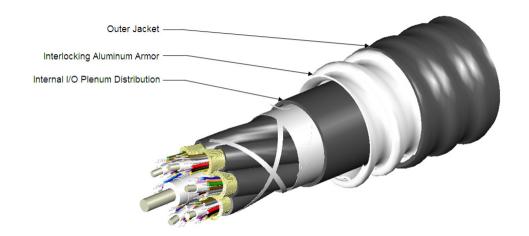
Jacket Marking

**Buffer Tube/Subunit Diameter** 6.9 mm | 0.272 in **Diameter Over Armor** 23.5 mm | 0.925 in **Diameter Over Jacket** 25.5 mm | 1.004 in

Representative Image



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## Mechanical Specifications

383 mm | 15.079 in Minimum Bend Radius, loaded Minimum Bend Radius, unloaded 255 mm | 10.039 in Tensile Load, long term, maximum 400 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

35 N-m | 309.776 in lb **Impact** 

FOTP-25 | IEC 60794-1 E4 **Impact Test Method** 

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 80 m | 262.467 ft

**Optical Specifications** 

**Strain** 

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

# **Environmental Specifications**



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Installation temperature  $-30 \,^{\circ}\text{C}$  to  $+70 \,^{\circ}\text{C}$  (-22  $^{\circ}\text{F}$  to  $+158 \,^{\circ}\text{F}$ )

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

Storage Temperature -40 °C to +75 °C (-40 °F to +167 °F)

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

cable) | Telcordia GR-409

Environmental Space Plenum

Flame Test Listing

NEC OFCP (ETL) and c(ETL)

Flame Test Method

NFPA 130 | NFPA 262

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

**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** 510 kg/km | 342.704 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

