# 760159798 | P-048-0Z-CM-FMUBK/8W024 /5L024



Fiber indoor/outdoor cable, TeraSPEED® Plenum Distribution Cable, interlocking aluminum armored with plenum, Multimode/Singlemode jacket, 48 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

/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** Gel-free

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** 6.9 mm | 0.272 in

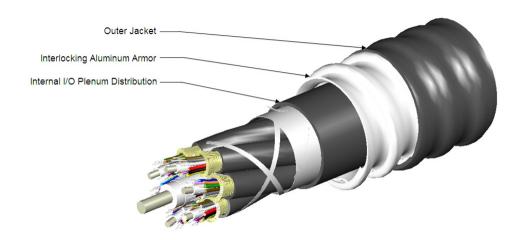
**Diameter Over Armor** 24.77 mm | 0.975 in

**Diameter Over Jacket** 26.8 mm | 1.055 in

Representative Image



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### Mechanical Specifications

Minimum Bend Radius, loaded402 mm | 15.827 inMinimum Bend Radius, unloaded268 mm | 10.551 inTensile Load, long term, maximum400 N | 89.924 lbfTensile Load, short term, maximum1335 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** 69 m | 226.378 ft

**Optical Specifications** 

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

LazrSPEED® 300

### **Environmental Specifications**



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Installation temperature-30 °C to +70 °C (-22 °F to +158 °F)Operating Temperature-25 °C to +70 °C (-13 °F to +158 °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 | 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 °C to +85 °C (-40 °F to +185 °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**  $-40 \,^{\circ}\text{C} \text{ to } +70 \,^{\circ}\text{C} \, (-40 \,^{\circ}\text{F to } +158 \,^{\circ}\text{F})$ 

**Temperature Cycle Test Method** FOTP-3 | IEC 60794-1 F1

Packaging and Weights

**Cable weight** 595 kg/km | 399.822 lb/kft

### Regulatory Compliance/Certifications

Agency Classification

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

COMMSCOPE®