## P-048-DS-8W-FMU

Fiber indoor cable, TeraSPEED® Plenum Distribution, 48 fiber multi-unit with 12 fiber subunits, Singlemode G.652.D and G.657.A1, Gel-free, Feet jacket marking

### Product Classification

Regional Availability

Asia | Australia/New Zealand | Latin America | Middle East

/Africa | North America

 Portfolio
 CommScope®

 Product Type
 Fiber indoor cable

**Product Series** P-DS

General Specifications

Cable TypeDistributionConstruction TypeNon-armoredSubunit TypeGel-free

Jacket MarkingFeetSubunit, quantity4Fibers per Subunit, quantity12Total Fiber Count48

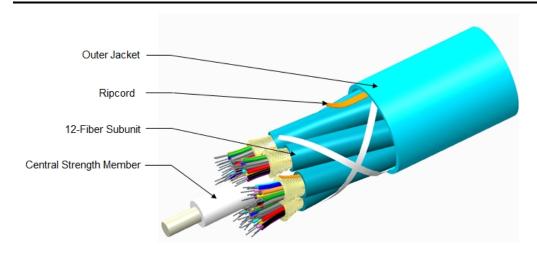
**Dimensions** 

Buffer Tube/Subunit Diameter5.77 mm | 0.227 inDiameter Over Jacket14.91 mm | 0.587 in

Representative Image



# P-048-DS-8W-FMU



### Mechanical Specifications

Minimum Bend Radius, loaded 224 mm | 8.819 in

Minimum Bend Radius, unloaded 149 mm | 5.866 in

**Tensile Load, long term, maximum** 400 N | 89.924 lbf

Tensile Load, short term, maximum 1335 N | 300.12 lbf

**Compression** 10 N/mm | 57.101 lb/in

**Compression Test Method** FOTP-41 | IEC 60794-1 E3

Flex 100 cycles

Flex Test Method FOTP-104 | IEC 60794-1 E6

**Impact** 5.88 N-m | 52.042 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 199 m | 652.887 ft

**Optical Specifications** 

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

**Environmental Specifications** 

**Installation temperature** 0 °C to +70 °C (+32 °F to +158 °F)

**COMMSCOPE®** 

## P-048-DS-8W-FMU

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

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

Cable Qualification Standards ANSI/ICEA S-83-596 | Telcordia GR-409

Environmental Space Plenum

Flame Test Listing NEC OFNP (ETL) and c(ETL)

Flame Test Method NFPA 262

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

**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** 205 kg/km | 137.754 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

