#### P-048-DS-8W-FMUYL 760004382 |



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, Yellow jacket color

#### **Product Classification**

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

4

/Africa | North America

**Portfolio** CommScope®

**Product Type** Fiber indoor cable

**Product Series** P-DS

## General Specifications

Cable Type Distribution **Construction Type** Non-armored

**Subunit Type** Gel-free

**Jacket Color** Yellow

**Jacket Marking** Feet

Subunit, quantity 12 Fibers per Subunit, quantity

**Total Fiber Count** 48

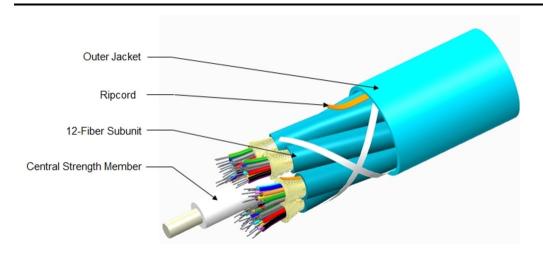
#### **Dimensions**

**Buffer Tube/Subunit Diameter** 5.77 mm | 0.227 in **Diameter Over Jacket** 14.91 mm | 0.587 in

## Representative Image



# 760004382 | P-048-DS-8W-FMUYL



## 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)

COMMSCSPE®

## 760004382 | P-048-DS-8W-FMUYL

**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 130 | NFPA 262

**Environmental Test Specifications** 

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

Heat Age Test Method IEC 60794-1 F9

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

**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** 205 kg/km | 137.754 lb/kft

## Regulatory Compliance/Certifications

Classification

3,	
CHINA-ROHS	Below maximum concentration value

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

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



Agency

#### Included Products

CS-8W-TB - TeraSPEED® Singlemode Fiber

### \* Footnotes

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

