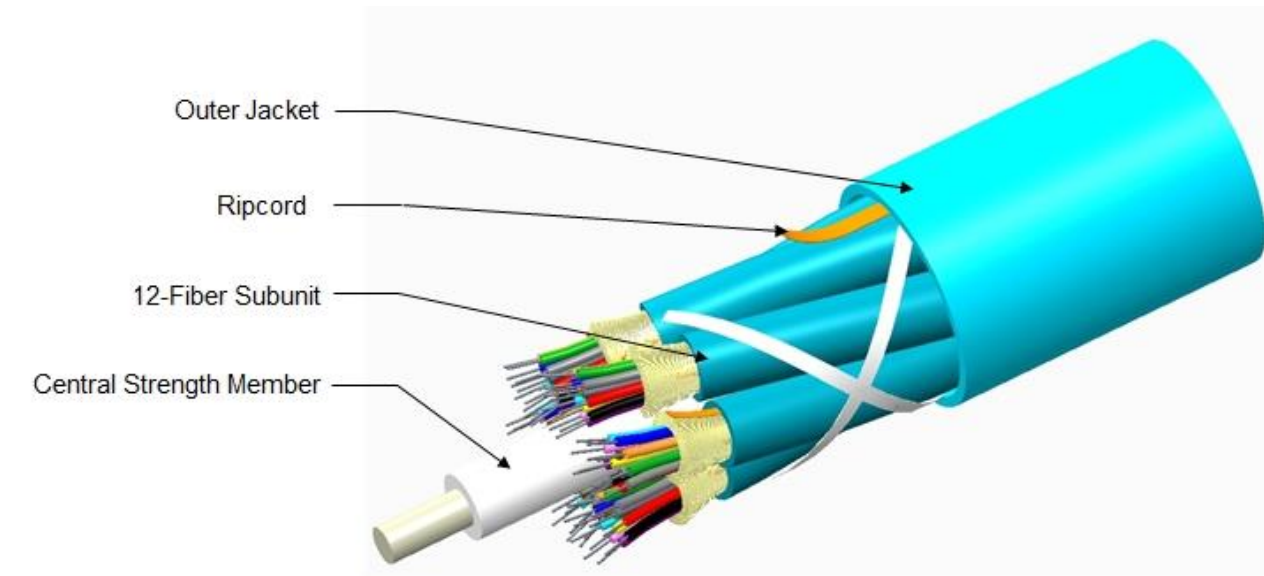


700009095 | P-048-DS-6F-FMUSL  
Plenum Distribution Cable, 48 fiber multi-unit with 12 fiber subunits

Representative Image



## General Specifications

Cable Type	Distribution
Construction Type	Non-armored
Subunit Type	Gel-free

## Construction Materials

Fiber Type Solution	OptiSPEED®, 62.5 µm multimode fiber (OM1)
Total Fiber Count	48
Fiber Type	OptiSPEED®, 62.5 µm multimode fiber (OM1)
Fiber Type, quantity	48
Fibers per Subunit, quantity	12
Jacket Color	Slate

## Dimensions

Buffer Tube/Subunit Diameter	5.77 mm   0.23 in
Cable Weight	138.0 lb/kft   205.0 kg/km
Diameter Over Jacket	14.91 mm   0.59 in
Subunit, quantity	4

## Physical Specifications

Minimum Bend Radius, loaded	22.4 cm		8.8 in
Minimum Bend Radius, unloaded	14.9 cm		5.9 in
Tensile Load, long term, maximum	90 lbf		400 N
Tensile Load, short term, maximum	300 lbf		1335 N
Vertical Rise, maximum	199.0 m		652.9 ft

## Flame Test Specifications

Flame Test Listing	NEC OFNP (ETL) and c(ETL)
Flame Test Method	NFPA 262

## Environmental Specifications

Environmental Space	Plenum
Installation Temperature	0 °C to +70 °C (+32 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)

## Mechanical Test Specifications

Compression	10 N/mm		57 lb/in
Compression Test Method	FOTP-41		IEC 60794-1 E3
Flex	100 cycles		
Flex Test Method	FOTP-104		IEC 60794-1 E6
Impact	4.34 ft lb		5.88 N-m
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

## Environmental Test Specifications

Heat Age	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °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

## Qualification Specifications

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

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system



## Included Products

---

CS-6F-TB (Product Component—not orderable) — OptiSPEED® OM1 Multimode Fiber