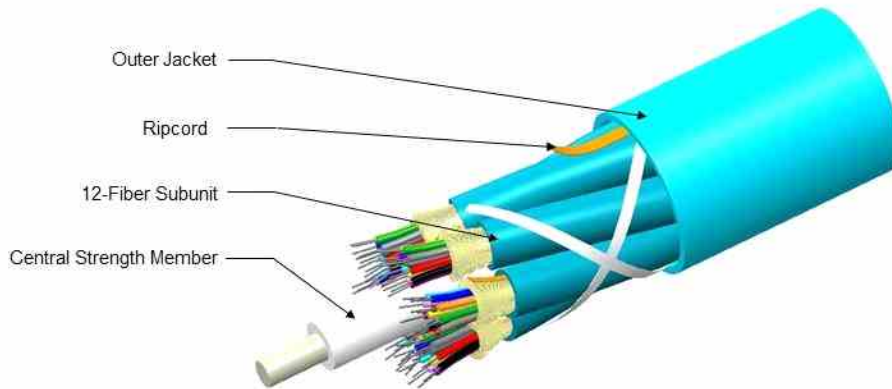## 700009095 | P-048-DS-6F-FMUSL

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

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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

RoHS COMPLIANT

Included Products

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