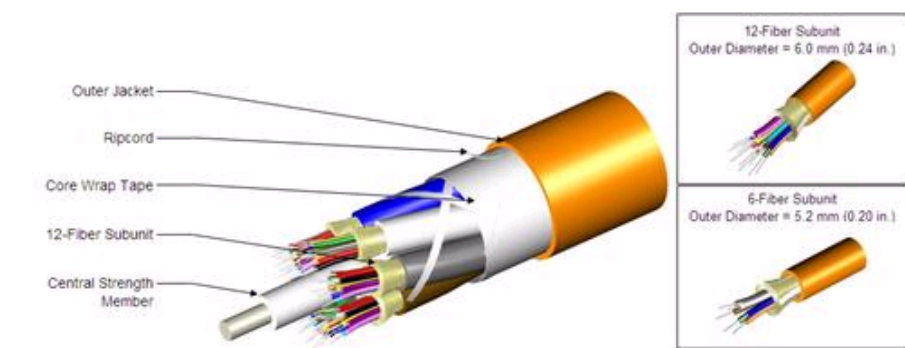




700009087 | R-048-DS-6F-FMUSL

Riser 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
Total Fiber Quantity	48
Fiber Type	OptiSPEED®, 62.5 µm multimode fiber
Fiber Type, quantity	48
Fibers Per Subunit, quantity	12
Jacket Color	Slate

Dimensions

Buffer Tube/Subunit Diameter	6.00 mm 0.24 in
Cable Weight	142.0 lb/kft 212.0 kg/km
Diameter Over Jacket	16.10 mm 0.63 in
Subunit, quantity	4

Physical Specifications

Minimum Bend Radius, loaded	24.2 cm 9.5 in
Minimum Bend Radius, unloaded	16.1 cm 6.3 in
Tensile Load, long term, maximum	1068 N 240 lbf
Tensile Load, short term, maximum	3560 N 800 lbf
Vertical Rise, maximum	500.0 m 1640.4 ft

Flame Test Specifications

Flame Test Listing	NEC OFNR (ETL) and c(ETL)
Flame Test Method	UL 1666

Environmental Specifications

Environmental Space	Riser
Installation Temperature	-20 °C to +70 °C (-4 °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 60794-1-2, Section 7
Flex	100 cycles
Flex Test Method	FOTP-104 IEC 60794-1-2, Section 10
Impact	4.34 ft lb 5.88 N-m
Impact Test Method	FOTP-25 IEC 60794-1-2, Section 8
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33 IEC 60794-1-2, Section 5
Twist	10 cycles
Twist Test Method	FOTP-85 IEC 60794-1-2, Section 11

Environmental Test Specifications

Heat Age	-20 °C to +85 °C (-4 °F to +185 °F)
Heat Age Test Method	Not applicable
Low High Bend	-20 °C to +70 °C (-4 °F to +158 °F)
Low High Bend Test Method	FOTP-28 IEC 60794-1-2, Section 28
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 IEC 60794-1-2, Section 22

Qualification Specifications

Cable Qualification Standards	ANSI/ICEA S-83-596-2001 Telcordia GR-409-CORE Issue 2
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Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	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