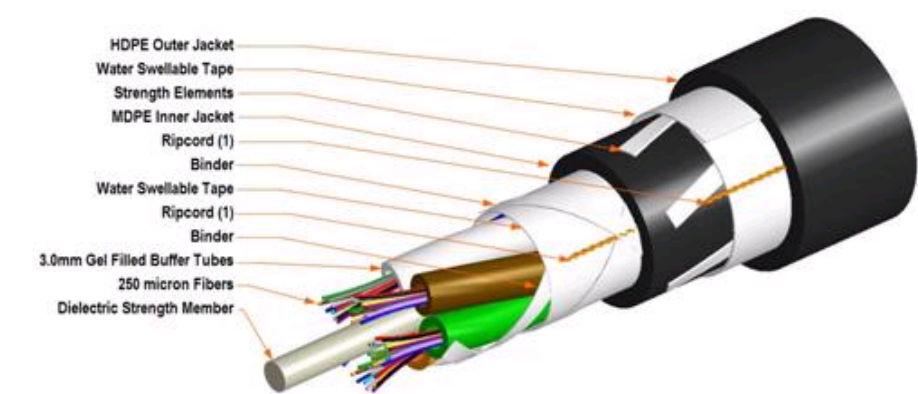




760138735 | O-036-LD-6F-F12NS

Double Jacket All-Dielectric Outdoor Cable Arid-Core Construction Stranded Loose Tube

Representative Image



General Specifications

Cable Type	Stranded loose tube
Construction Type	Non-armored
Subunit Type	Gel-filled

Construction Materials

Fiber Type Solution	OptiSPEED®, 62.5 µm multimode fiber
Total Fiber Quantity	36
Fiber Type	OptiSPEED®, 62.5 µm multimode fiber
Fiber Type, quantity	36
Fibers Per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

Dimensions

Buffer Tube/Subunit Diameter	3.00 mm 0.12 in
Cable Weight	137.0 kg/km 92.0 lb/kft
Diameter Over Jacket	13.90 mm 0.55 in
Filler, quantity	2
Subunit, quantity	3

Physical Specifications

Minimum Bend Radius, loaded	20.8 cm 8.2 in
Minimum Bend Radius, unloaded	13.9 cm 5.5 in
Tensile Load, long term, maximum	180 lbf 800 N

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Tensile Load, short term, maximum 2700 N | 607 lbf
Vertical Rise, maximum 595.0 m | 1952.1 ft

Environmental Specifications

Environmental Space	Aerial, lashed Buried
Installation Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

Mechanical Test Specifications

Compression	125 lb/in 22 N/mm
Compression Test Method	FOTP-41 IEC 60794-1-2, Section 7
Flex	35 cycles
Flex Test Method	FOTP-24 IEC 60794-1-2, Section 10
Impact	3.25 ft lb 4.41 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
Water Penetration	24 h
Water Penetration Test Method	FOTP-82 IEC 60794-1-2, Section 24

Environmental Test Specifications

Cable Freeze	-2 °C 28 °F
Cable Freeze Test Method	FOTP-98
Drip	70 °C 158 °F
Drip Test Method	FOTP-81 IEC 60794-1-2, Section 17
Heat Age	-40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	Not applicable
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	FOTP-28 IEC 60794-1-2, Section 28
Temperature Cycle	-40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 IEC 60794-1-2, Section 22

Qualification Specifications

Cable Qualification Standards ANSI/ICEA S-87-640-2006 | EN 187105 | Telcordia GR -20-CORE Issue 3

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-LT (Product Component—not orderable) — OptiSPEED® OM1 Multimode Fiber