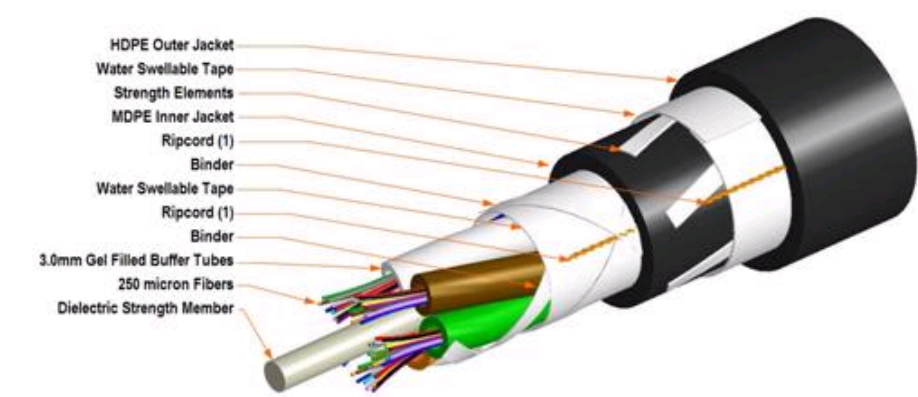




760136283 | O-012-LD-6F-F12NS

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	12
Fiber Type	OptiSPEED®, 62.5 µm multimode fiber
Fiber Type, quantity	12
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	4
Subunit, quantity	1

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
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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

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