

O-024-CA-6F-F12NS

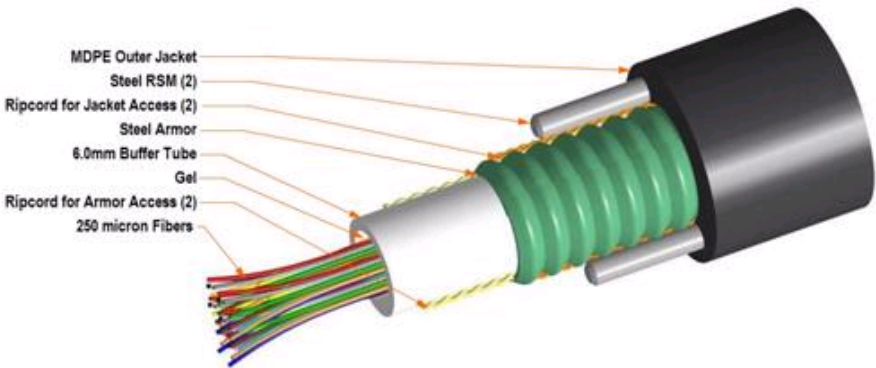
Material ID: 700010580

Outdoor Central Loose Tube Construction Cable, single jacket single armor



## CHARACTERISTICS

### Representative Image



### General Specifications

Cable Type	Central loose tube
Construction Type	Armored
Subunit Type	Gel-filled

### Construction Materials

Fiber Type Solution	OptiSPEED®, 62.5 µm multimode fiber
Total Fiber Quantity	24
Armor Type	Corrugated steel
Fiber Type	OptiSPEED®, 62.5 µm multimode fiber
Fiber Type, quantity	24
Fibers Per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized

### Dimensions

# Product Specifications

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Buffer Tube/Subunit Diameter	4.00 mm   0.16 in
Cable Weight	135.0 kg/km   91.0 lb/kft
Diameter Over Jacket	11.00 mm   0.43 in
Subunit, quantity	2

## Physical Specifications

Minimum Bend Radius, loaded	16.5 cm   6.5 in
Minimum Bend Radius, unloaded	11.0 cm   4.3 in
Tensile Load, long term, maximum	180 lbf   800 N
Tensile Load, short term, maximum	2700 N   607 lbf
Vertical Rise, maximum	607.0 m   1991.5 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	250 lb/in   44 N/mm
Compression Test Method	FOTP-41   IEC 60794-1-2, Section 7
Flex	35 cycles
Flex Test Method	IEC 60794-1-2, Section 10   FOTP-104
Impact	2.17 ft lb   2.94 N-m
Impact Test Method	FOTP-25   IEC 60794-1-2, Section 8
Strain	See long term 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

# Product Specifications

COMMScope®

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

## Regulatory Compliance/Certifications

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### Agency

RoHS 2002/95/EC  
ISO 9001:2008

### Classification

Compliant  
Designed, manufactured and/or distributed under this quality management system



## INCLUDED PRODUCTS

OptiSPEED

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

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