



OM4 Loose Tube Outdoor Direct Burial Armoured Fiber Optic Cable (per meter) - Black

BK-FxOA-OM4-LT - Specifications

Description

This bulk loose tube fiber cable is outdoor rated. It is OSP rated for outside plant environments. Its loose tube design offers reliable transmission performance over a broad temperature range. Optical fibers and water-blocking elements are placed inside gel-free buffer tubes. This cable provides high fiber density, can be used for multiple network applications, reduces cable installation time, reduces number of tools required, improves compressive strength and rodent protection, and speeds fiber access/cleanup.



Physical Characteristics

Color	Black
Fiber Optic Type	OM4 Loose Tube Outdoor Direct Burial Armoured Cable
Fiber Count	6-Strand / 12-Strand
Color Coating Fiber	Dimension: 250µm±15µm Color: Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Purple, Pink, Aqua
Jacket	Material: PE Outer Jacket Dimension: 11.7mm±0.5mm
Loose Tube	Dimension: 2.0mm±0.10mm Material: PBT Color: Blue, Orange
Filler	Dimension: 2.0mm±0.10mm Material: PP Color: Natural

Central Strength Member	Diameter: 2.0mm Material: FRP
Strength Member Material	Glass Yarn
Tension (Long Term)	890 N
(Short Term)	2700 N
Crush (Long Term)	1000 N/10cm
Crush (Short Term)	3000 N/10cm
Min Bending Radius (Dynamic)	20D mm
Min Bending Radius(Static)	15D mm
Operating Temperature	-40 deg C ~ +70 deg C
Storage Temperature	-40 deg C ~ +70 deg C
Installation Temperature	-30 deg C ~ +70 deg C

Packaging Information

Product Weight	6-Strand: 0.40 lbs 12-Strand: 0.80 lbs
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Compliance:

Telcordia® GR-20-CORE
IEC 60794-1-21
RoHS
REACH



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Fiber Parameters

No.	Items	Unit	Specification	
			10G-300	
1	Core Diameter	μm	50.0±2.5	
2	Cladding Diameter	μm	124.8±1.0	
3	Core Non-Circularity	%	≤5.0	
4	Cladding Non-Circularity	%	≤1.0	
5	Core-Cladding Concentricity Error	μm	≤1.0	
6	Coating Diameter	μm	245±7	
7	Coating Non-Circularity	%	≤6.0	
8	Cladding-Coating Concentricity Error	μm	≤12.0	
9	OFL Bandwidth	850nm	MHz·km	≥1500
		1300nm	MHz·km	≥500
10	Effective Modal Bandwidth	850nm	MHz·km	≥2000
		1300nm	MHz·km	≥500
11	Attenuation Coefficient	850nm	dB/km	≤3.5
		1300nm	dB/km	≤1.5

Jacket Printing:

BK-F6OA-OM4-LT: Phantom Cables OPTICAL CABLE BK-F6OA-OM4-LT MM-YY(telephone symbol) 6F MM Plus Corning ClearCurve OM4 XXXXXXXX(serial number) 000000M

BK-F12OA-OM4-LT: Phantom Cables OPTICAL CABLE BK-F12OA-OM4-LT MM-YY(telephone symbol) 12F MM Plus Corning ClearCurve OM4 XXXXXXXX(serial number) 000000M