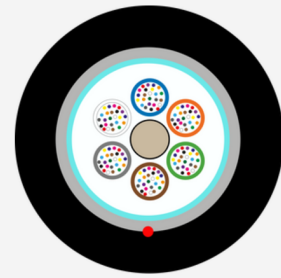


Singlemode OS2 Outdoor Multi Loose Tube , PE - FFES2MLx



DESCRIPTION

FABNET Outdoor Polyethylene (PE) Loose tube Cables are perfectly suited for rugged applications and installations requiring increased performance. The offered cables are fully compliant with the relevant IEC specifications. The multi loose tube cable construction consists of up to 288, 250µm optical fibers in 12 fiber gel filled loose tubes with fillers where appropriate, SZ stranded around a fiber reinforced plastic (FRP) central strength member with water swellable threads and water swellable tape.

APPLICATIONS

- Operates at wavelengths of 1310 nm and 1550 nm
- ETHERNET: 10BASE - 40GBASE(100BASE, 1000BASE, 10GBASE,40GBASE, 100GBASE, 400GBASE)
- Metal free outdoor cable with Gel-filled tube
- High flexibility and light weight
- Cables are specifically designed for outdoor applications, mainly used in intra-building

SPECIFICATIONS & FEATURES

- Compliant with ANSI/TIA-568.3-D, ISO/IEC 11801
- Outer Jacket: PE, Black
- Gel-filled loose tube
- Compact 250µm loose tube construction
- Glass yarn strength member.

MECHANICAL & PHYSICAL PROPERTIES

Number of cores	24 to 288 Cores	Fiber Type	OS2 Singlemode (ITU-T G.652.D)
Impact Strength	10 J, 3 impacts	Tensile Strength (Working)	1500 N
Tensile Strength (Assembly)	2500 N	Crushing Strength	2000 N /10 cm
Color of Fibers in Per Tube (12 Core)	Blue,Orange,Green,Brown,Slate,White,Red,Black,Yellow,Violet, Rose, Aqua	Operating Temperature	-40 to +80 °C
Jacket Color	Black	Storage Temperature	-30 to +60 °C
Outdoor Jacket	PE	Installation Temperature	-40 to +80 °C
Water Tightness	24 hours 3 m length	Bending Radius	20 x cable diameter
Tube Material	PBT & PBT+PC	Tube Filling Compound	Thixotropic Jelly
Strength Member	Swellable Glass Yarn	Ripcord	Polyester
Core Wrapping	Polyester Tape	Jelly Compound	Petroleum Filler Jelly

TRANSMISSION CHARACTERISTICS & RATINGS

Attenuation at 1310 nm (dB/Km)	≤ 0.35
Attenuation at 1550 nm (dB/Km)	≤ 0.22
Fire Propagation	IEC 60332-1-2
Smoke Density	IEC 61034-2
Halogen Acid Gas	IEC 60754-1
Degree of Acidity	IEC 60754-2
Flame Test	IEC 60332-1-2
2011/65/EC (RoHS)	Compliant

PACKING DETAILS

Length (Mtr)	Approx. OD(mm)	Packaging Type
1000	9.4±0.5 to 16.5±0.5	DRUM
2000	9.4±0.5 to 16.5±0.5	DRUM

ORDERING INFORMATION

FFES2MLx	Singlemode OS2 Outdoor Multi Loose tube PE Bulk Cable, Black
x-Fiber Core Variants (48/72/96/144/288)	