

Singlemode OS2 Outdoor Central Loose Tube Armored, PE - FFES2SLxA



DESCRIPTION

FABNET Outdoor Polyethylene (PE) Loose tube Armored Cables are perfectly suited for rugged applications and installations requiring increased performance. The offered cables are fully compliant with the relevant IEC specifications. The loose tube is surrounded by a swellable glass yarn strength member, a corrugated steel armour for physical protection and a UV resistant PE protective jacket.

APPLICATIONS

- Operates at wavelengths of 1310 nm and 1550 nm
- ETHERNET: 10BASE - 400GBASE(100BASE, 1000BASE, 10GBASE, 40GBASE, 100GBASE, 400GBASE)
- Corrugated Steel Armoured Outdoor Cable
- Rodent Proof & Water Blocking
- Cables are specifically designed for outdoor duct or direct buried applications

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	04 to 24 Cores	Fiber Type	OS2 Singlemode (ITU-T G.652.D)
Impact	10 J, 3 impacts	Tensile Force	≤ 1300 N, 1 min (Installation)
Tensile Force	≤ 750 N, 10 min. (Operation)	Crush Resistance	Max. 2000 N
Flame Test	IEC 60332-1-2	Cable Bending	R= 20 x D, 4 turns, 3 cycles
Color of Fibers in Per Tube (12 Core)	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua	Operating Temperature	-40 to +70 °C
Outer Jacket	PE	Installation Temperature	-10 to +60 °C
Jacket Color	Black	Storage Temperature	-40 to +70 °C
Water Penetration	24 hours 3 m length	Repeated Bending	R= 20 x D, 100 N, 35 cycles,
Tube Material	PBT	Tube Filling Compound	Thixotropic Jelly
Strength Member	Swellable Glass Yarn	Armoure	Corrugated Steel Tape

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
2011/65/EC (RoHS)	Compliant

PACKING DETAILS

Length (Mtr)	Approx. OD(mm)	Packaging Type
1000	6.2±0.5 to 7.2±0.5	DRUM
2000	6.2±0.5 to 7.2±0.5	DRUM

ORDERING INFORMATION

FFES2SLxA Singlemode OS2 Outdoor Central Loose tube Armoured PE Bulk Cable, Black
 x-Fiber Core Variants (04/06/08/12/24)