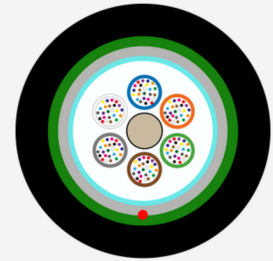


Singlemode OS2 Indoor/Outdoor Multi Loose Tube Armoured, LSZH - FFLS2MLxG



DESCRIPTION

FABNET Indoor/Outdoor Low Smoke Zero Halogen (LSZH) 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 low smoke zero halogen LSZH protective jacket.

APPLICATIONS

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

SPECIFICATIONS & FEATURES

- Compliant with ANSI/TIA-568.3-D, ISO/IEC 11801
- Outer Jacket: LSZH (Low Smoke Zero Halogen) flame retardant, 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	20 J, 3 impacts	Tensile Strength (Working)	1500 N
Tensile Strength (Assembly)	2700 N	Crushing Strength	2200 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
Flammability Rating	EuroClass/LSZH	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	Armoure	Corrugated Steel Tape
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	10.4±0.5 to 17.5±0.5	DRUM
2000	10.4±0.5 to 17.5±0.5	DRUM

ORDERING INFORMATION

FFLS2MLxA Singlemode OS2 Indoor/Outdoor Multi Loose Tube Armoured, LSZH Bulk Cable, Black
 x-Fiber Core Variants (48/72/96/144/288)