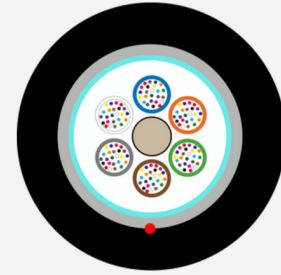


# Singlemode OS2 Indoor/Outdoor Multi Loose Tube , LSZH - FFLS2MLx



## DESCRIPTION

FABNET Indoor/Outdoor Low Smoke Zero Halogen (LSZH) 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 - 400GBASE(100BASE, 1000BASE, 10GBASE,40GBASE, 100GBASE, 400GBASE)
- Metal free indoor and outdoor cable with Gel-filled tube
- High flexibility and light weight
- Cables are specifically designed for indoor/outdoor applications, mainly used in intra-building

## 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

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

FFLS2MLx Singlemode OS2 Indoor/Outdoor Multi Loose tube LSZH Bulk Cable, Black  
 x-Fiber Core Variants (48/72/96/144/288)