

## Singlemode OS2 Indoor/Outdoor Central Loose Tube G657.A2, LSZH - FFLS2SLxG



### 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 uni loose tube cables consist of up to 24, 250µm optical fibers in a single gel filled loose tube with glass yarn non-metallic strength members and black LSZH, UV resistant jacket with ripcord.

### 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>	04 to 24 Cores	<b>Fiber Type</b>	OS2 Singlemode (ITU-T G.657.A2)
<b>Impact</b>	10 J, 3 impacts	<b>Tensile Force</b>	≤ 1300 N, 1 min (Installation)
<b>Tensile Force</b>	≤ 600 N, 10 min. (Operation)	<b>Crush Resistance</b>	Max. 1500 N
<b>Flame Test</b>	IEC 60332-1-2	<b>Cable Bending</b>	R= 20 x D, 4 turns, 3 cycles
<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 +70 °C
<b>Flammability Rating</b>	EuroClass/LSZH	<b>Installation Temperature</b>	-10 to +60 °C
<b>Jacket Color</b>	Black	<b>Storage Temperature</b>	-40 to +70 °C
<b>Water Penetration</b>	3 meter specimen, 1 m water altitude	<b>Repeated Bending</b>	R= 20 x D, 100 N, 35 cycles,
<b>Tube Material</b>	PBT	<b>Tube Filling Compound</b>	Thixotropic Jelly
<b>Strength Member</b>	Swellable Glass Yarn	<b>Ripcord</b>	Polyester

## 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	6.1±0.4	DRUM
2000	6.1±0.4	DRUM

## ORDERING INFORMATION

FFLS2SLxG Singlemode OS2 Indoor/Outdoor Central Loose tube G657.A2, LSZH Bulk Cable, Black  
 x-Fiber Core Variants (04/06/08/12/24)