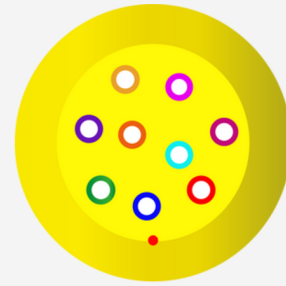# Singlemode OS2 Indoor Tight Buffer Single Tube, LSZH - FFLS2STx

DESCRIPTION

FABNET fiber optic cable is designed for installation in riser and horizontal environments and inter building backbone structures. Fiber standards consists of 04 to 24 strands of fiber with 900μ tight or semi-tight buffer tube, protected aramid yarn layer is for strength and physical support. Outer jacket made of low smoke zero halogen materials that use in applications where smoke emission and toxic fumes could pose a risk to human health and essential equipment in the event of a fire. (LSZH)

APPLICATIONS

- Operates at wavelengths of 1310 nm and 1550 nm
- ETHERNET: 10BASE – 400GBASE(100BASE, 1000BASE, 10GBASE,40GBASE, 100GBASE, 400GBASE).
- Metal free indoor cable
- High flexibility and light weight
- Halogen free and non-corrosive fire gases
- Cables are specifically designed for indoor 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, Yellow/Black
- 900 Microns Tight buffered fibers support fast field installations.
- High Modulus, Aramid yarn as a peripheral strength member.

MECHANICAL & PHYSICAL PROPERTIES

Number of cores	04 to 24 Cores	Fiber Type	OS2 Singlemode (ITU-T G.657.A1)
Impact	Wp=1J, R:12.5cm, 3 impacts	Tensile Force	200 N (Installation)
Tensile Force	100 N (In Service)	Crush Resistance	1000 N (Installation)
Flame Test	IEC 60332-1-2	Cable Bending	R= 20 x D, 6 turns, 10 cycles
Color of Fibers in Per Tube (12 Core)	Blue,Orange,Green,Brown,Slate,White,Red,Black,Yellow,Violet, Rose, Aqua	Operating Temperature	-20 to +60 °C
Flammability Rating	EuroClass/LSZH	Installation Temperature	-5 to +50 °C
Jacket Color	Yellow/Black	Storage Temperature	-40 to +70 °C
Flame Test	IEC 60332-1-2	Repeated Bending	R= 20 x D, 25 cycles, 40 N

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	6.8±0.3	DRUM
2000	6.8±0.3	DRUM

ORDERING INFORMATION

FFLS2STx   Singlemode Indoor Tight Buffer Single tube LSZH Bulk Cable, Yellow

x-Fiber Core Variants (04/06/08/12/24)