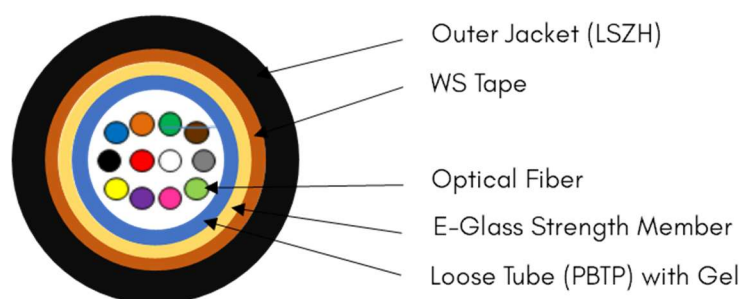


Single Mode OS2 Indoor Outdoor Fiber Cable

These Fiber Cables are made of a UV curable acrylate material coated above the cladded fiber core. This is embedded in Thixotropic Gel as protection inside the PBT Loose Tube. This construction includes E-Glass Strength Membrane, Water Swellable Tape, and Gel filled PBTP Tubes. Outer Jacket Construction made of LSZH (Low Smoke Zero Halogen) Jacket

Multiple swellable tape above the E-Glass Yarn provides water blocking function. These Fiber cables are designed for use for Internal and External applications.



Standards

- ANSI/TIA-568.3-D
- ISO/IEC 11801
- ITU-T G652

Construction

Core/Clad Diameter (μm)	9/125
Coating Diameter (μm)	250 $\pm$ 15
Number of Cores	6 or 12
Outer Jacket	LSZH
Cable Diameter (mm)	7.20 $\pm$ 0.30
Tube Diameter (mm)	2.00 $\pm$ 0.10
Colour of Jacket	Black
Strength Member	E-Glass Yarn
Number of Tube	1
Fiber Colours	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua
Tube Material	PBTP
Maximum Tensile Load (N)	1000
Maximum Crush Resistance (N/cm)	1000
Maximum Impact Strength (N.cm)	500
Torsion (°)	$\pm$ 180

Transmission Data

Fiber Type	Single Mode (OS2) 9/125
Operating wavelength range (nm)	1310/1550
Attenuation (+20°C) @1310nm (dB/Km)	$\leq$ 0.34
Attenuation (+20°C) @1550nm (dB/Km)	$\leq$ 0.22

Environmental

Transport and Storage	-20° to 70° C
Installation	-10° to 60° C
Operation	-20° to 70° C
Humidity	10% to 90% RH

Compliances

Mode Field Diameter	IEC 60793 1 45
Core/Clad Concentricity, Cladding Diameter, Cladding	IEC 60793 1 20
Non circularity	
Attenuation coefficient	IEC 60793 1 40
Chromatic dispersion	IEC 60793 1 42
Cable cut off wavelength	IEC 60793 1 44

How to Order

Description	Product Code
Single Mode (OS2) Indoor Outdoor, Central loose tube, E-Glass Yarn SM, Gel filled, LSZH Cable, Black	601019-2YYY

YYY Denotes Number of Cores

Cores	Product Code
6	601019-2006
12	601019-2012

Other Customised construction and various core density are available upon request.