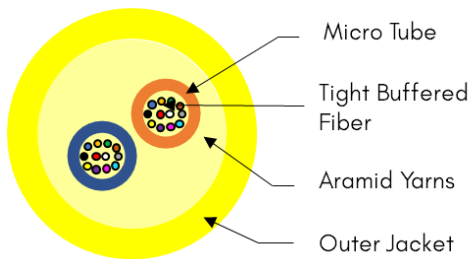


## Single Mode OS2 Indoor Fiber Cable

These Fiber Cables are made of a UV curable acrylate material coated above the cladded fiber core. This fiber cores have 900µm PVC jacket (tight buffered fiber) and are inside Micro Tubes made of Thermoplastic Material. High Tensile Aramid Yarn works as strength member for this construction. Outer Jacket Construction made of LSZH (Low Smoke Zero Halogen) Jacket

These Fiber cables are designed for use in Internal applications only.



### Standards

- ANSI/TIA-568.3-E
- ISO/IEC 11801
- ITU G.652-D / ITU G.657-A1
- Telecordia GR-20
- IEC 60794-2-21

### Construction

Core/Clad Diameter (µm)	9/125
Coating Diameter (µm)	250±15
Tight Buffer Diameter (µm)	900±50
Number of Cores	24
Outer Jacket	Low Smoke Zero Halogen
Outer Diameter (mm)	7.50 ± 0.30
Colour of Jacket	Yellow
Fiber Colours	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Micro Tube Colours	Blue, Orange
Strengthening Material	High Tensile Aramid Yarn
Yarn Size	3000D x 10 (12C)
Rip Cord	Yes
Maximum Tensile Load (N)	600
Maximum Crush Resistance (N/cm)	1000

### Transmission Data

Fiber Type	Single Mode (OS2) 9/125 (G.652-D / G.657-A1)
Operating wavelength range (nm)	1310/1550
Attenuation (+20°C) @1310nm (dB/Km)	≤ 0.35
Attenuation (+20°C) @1550nm (dB/Km)	≤ 0.22

### Environmental

Transport and Storage	-20° to 75°C
Installation	4° to 50°C
Operation	-20° to 75°C
Humidity	10% to 90% RH



### Compliances

Flammability	IEC 60332-1
Smoke density	IEC 61034
Acid gas	IEC 60754-1
Mode Field Diameter	IEC 60793 1 45
Core/Clad Concentricity, Cladding Diameter, Cladding Non circularity	IEC 60793 1 20
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 (G.652-D) Indoor Tight Buffer LSZH Cable, Yellow, 24F	600009-2024
Single mode (G.657-A1) Indoor Tight Buffer LSZH Cable, Yellow 24F	600909-2024

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