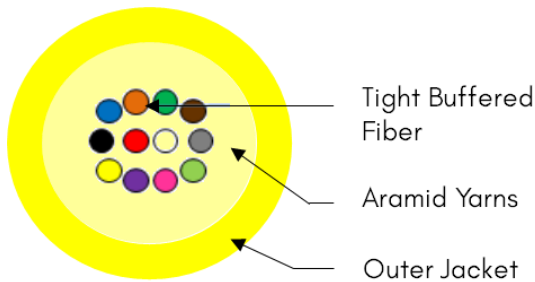


## Single Mode OS2 Indoor Fiber Cable

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). 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 for 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	6/12
Outer Jacket	Low Smoke Zero Halogen
Outer Diameter (mm)	5.50 ± 0.20 (6 C) 6.50 ± 0.20 (12 C)
Colour of Jacket	Yellow
Fiber Colours	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Strengthening Material	Aramid Yarn
Yarn Size	1500D x 12 (6C) 3000D x 10 (12C)
Rip Cord	Yes
Maximum Tensile Load (N)	600/ 800
Maximum Crush Resistance (N/cm)	800 / 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	600009-2YYY
Single mode (G.657-A1) Indoor Tight Buffer LSZH Cable, Yellow	600909-2YYY

YYY Denotes Number of Cores

Cores	Type	Product Code G.652-D	Product Code G.657-A1
	6		600009-2006
12		600009-2012	600909-2012

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