

# Indoor Fiber Cable

## Product Type: TIFJZ



## Optical Cable Specifications

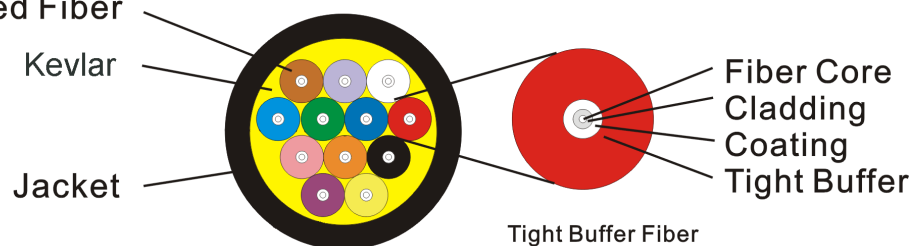
### Description

Topscom Fiber Optic Indoor Distribution Cables consists of 2 to 12 strains of 900 $\mu$ m tight buffered fiber, surrounded by aramid yarn (Kevlar) strength members with either PVC or LSZH material jacket. Distribution cables are ideal for LAN backbone and horizontal cabling applications. It is a more cost effective solution to achieve higher data rates over longer distances. Halogen free LSOH jacket ensures that fire does not spread through the cables, and no corrosive and toxic gases will arise.

### Cable features

- 2 to 24 fiber count cables
- SZ stranded cable
- $\phi$  900 $\mu$ m tight buffered fiber
- PVC or Low Smoke Zero Halogen (LSZH) jacket material is available.
- Flexible, light-weight and small outside diameter
- Color coding complies with TIA/EIA-598B

### Color Coded Buffered Fiber



## Optical Fiber Specifications – Singlemode

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<b>Fiber Type</b>	S9	
<b>Wavelength (nm)</b>	1310	1550
<b>Core/Cladding (μm)</b>	9/125	
<b>Mode-Field Diameter (μm)</b>	(9.3) ± 0.5	(10.5) ± 1.0
<b>Max. Attenuation (dB/km)</b>	≤ 0.35	≤ 0.22

## Mechanical Specifications

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<b>Fiber Count</b>		4	8	12	16	24
<b>Outer Diameter (mm)</b>		4.8	6.2	6.8	7.4 ± 0.2	8.2 ± 0.02
<b>Weight (kg/km)</b>		19	29	38	53	60
<b>Max Tensile Load (N)</b>	<b>Short -Term</b>	270	480	600	660	720
	<b>Long -Term</b>	90	160	200	220	240
<b>Min Bend Radius (mm)</b>	<b>Dynamic</b>	20 times of outer diameter				
	<b>Static</b>	10 times of outer diameter				
<b>Jacket Material</b>		PVC or LSOH				
<b>Operating Temperature</b>		-40°C to +60°C or -20°C to +60°C				