

# TRUE LINK DISTRIBUTION TIGHT BUFFER FIBER cable



**MODEL # FC-X/OS2/TB/IO/B**



## FEATURES

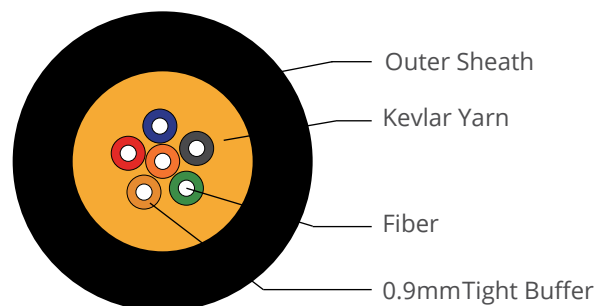
Designed for Indoor/Outdoor distribution  
Gel Free  
Waterproof  
High strength Kevlar yarn  
Easy to strip and install

## Fiber Specifications

Type	G652D
Attenuation, dB/km	≤0.36/0.23
Dispersion, Ps/(nm*km)	
1310nm	≤18
1550nm	≤22
Zero Dispersion Wavelength, nm	≥1302, ≤1322
Zero Dispersion Scope, nm	≤0.091
PMD Maximum Individual Fiber	≤0.2
PMD Design Link Value, PS(nm <sup>2</sup> *km)	≤0.08
Fiber Cutoff wavelength, nm	≥1180, ≤1330
Cable Cutoff wavelength, nm	≤1260
MFD	
1310nm	9.2±-0.4
1550nm	10.4±0.8
Step (Mean of bidirectional measurement), dB	≤0.05
Irregularities over fiber length and point discontinuity, dB	≤0.05
Difference Backscatter Coefficient, dB/km	≤0.03
Core Diameter, dB/km	≤0.01
Cladding Diameter, um	125.0±0.1
Cladding non-circularity, %	≤1.0
Coating Diameter, um	242±7
Coating/cladding concentricity error, um	≤12.0
Coating non-circularity, %	≤6.0
Coating/Cladding concentricity error, um	≤0.6
Curl (radius), um	≤4

## Mechanical Specifications

# of fibers	6	12	24	48
Outside Diameter (mm)	5.0	6	8.3	10.0
Tight Buffer Diameter (mm)	0.9			
Minimum Tensile Strength				
Short term	600			
Long Term	200			
Minimum Crush Load				
Short term	1000			
Long Term	200			
Minimum Bending Radius				
Short term	200			
Long Term	200			
Storage Temperature	-40 to +60			



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