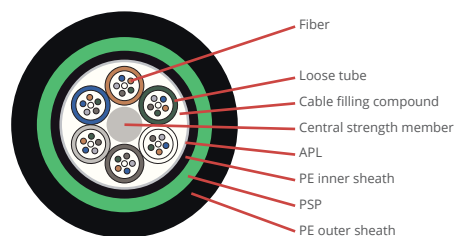


TRUeLINK SINGLE MODE OSP DIRECT BURIAL CABLE



MODEL # FC-X/OS2/OSPLTDB/B



Features:

The fibers are positioned in a loose tube made of high-modulus plastic. Contains a central strength member. Tubes and fillers are stranded around the strength member into a compact and circular cable core, with a steel armor band and an aluminum polyethylene laminate to protect the fibers. PE used for inner and outer sheath.

Mechanical Specifications

# of fibers	12	24	48	72	96	144	288
Outside Diameter (mm)	11.5	12	12.5	13.0	15.6	19	20.0
Nominal Weight lbs/ft	0.110	0.117	0.132	0.154	0.195	0.243	0.257
Loose Tube and Filler Elements	PBT						
Loose Tube and Filler Elements Diameter	! 1.6~2.2mm ±0.2mm						
Central Strength Member	Steel wire						
Central Strength Member Diameter	1.4~2.0mm±0.2mm						
Outer Sheath	PE						
Outer Sheath Thickness	1.7±0.2mm						
Inner Sheath	PE						
Minimum Tensile Strength							
Short term	3000 N						
Long Term	1000 N						
Minimum Crush Load							
Short term	1000						
Long Term	300						
Minimum Bending Radius							
Short term	200						
Long Term	100						
Storage Temperature	-40 to +70						

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(nm2*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/chaffinch concentricity error, um	≤12.0	
Coating non-circularity, %	≤6.0	
Coating/Cladding concentricity error, um	≤0.6	
Curl (radius), um	≤4	