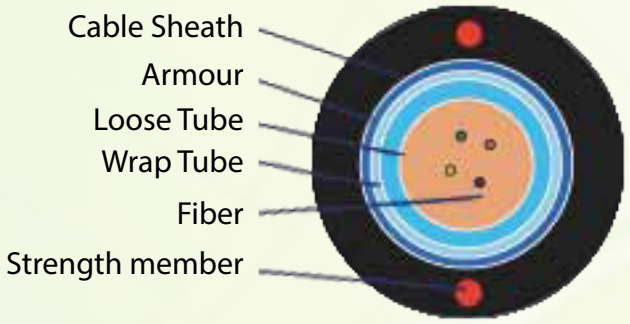
TECH
TELECOMMUNICATION TECHNOLOGY

FIBER CABLE
ARMOURED CENTRAL TUBE
Multimode 50um OM3

Description



- Single jelly compound filled loose tube containing up to 24 fibers
- Water proof tape between steel tape loose tube
- Double sided PE with Corrugated steel tape
- Parallel double steel wire as strength member
- Compact structure and light weight
- Excellent crush-resistant and good water proof layer

Application:

- Long distance communication systems links
- Local area network and suscriber network
- Data center and telecommunication exchanges

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Category	Description		Specifications	
			Before cabling	After cabling
Optical Characteristics	Attenuation	@ 850 nm @1300 nm	≤2.3 dB/km ≤0.6 dB/km	≤3.0 dB/km ≤1.0 dB/km
	OFL bandwidth	@ 850 nm @1300 nm	≥ 1500 MHz.km ≥ 500 MHz.km	
	Effective modal bandwidth	@ 850nm @1300 nm	≥ 2000 MHz.km ≥ 500 MHz.km	
	Application support distance on	10 Gigabit Ethernet SX@850 nm Gigabit Ethernet SX@850 nm Gigabit Ethernet LX@1300 nm	300m 1000m 600m	
	DMD specification The minimum EMB can be ensured under the condition of : 1. The transmission wavelength λ be in the range:840 ≤λ≤860 2. The encircled flux at radius 4.5 um ≤ 30%, and encircled flux at radius 19 um ≥ 86%. (Ref:TIA/EIA-492 AAAC) Sliding mask DMD is defined as the DMD mask width over any 6 um interval between 7 and 19 um offset position.		Inner module (5-18μm radius) 1.≤0.33ps/m 2.≤0.27ps/m 3.≤0.26ps/m 4.≤0.25ps/m 5.≤0.24ps/m 6.≤0.23ps/m DMD sliding mask ≤0.25ps/m	Outer module (0-23μm radius) 1.≤0.33ps/m 2.≤0.35ps/m 3.≤0.40ps/m 4.≤0.50ps/m 5.≤0.60ps/m 6.≤0.70ps/m
	Numerical aperture		0.200±0.015	
	Group index of refraction	@850 nm @1300 nm	1.482 1.477	
	Zero Dispersion Wavelength		1295—1320 nm	
	Zero Dispersion Slope	@ 1295-1300 nm @ 1300-1320 nm	≤0.001(λ0-1190) ps/nm2·km ≤0.11 ps/nm2·km	
Backscatter Characteristics	Step(mean of bidirectional measurement)		≤0.10 dB	
	Irregularities over fibre length and point discontinuity		≤0.10 dB	
	Attenuation uniformity		≤0.10 dB/km	
Geometric Specifications	Core diameter		50 ±2.5μm	
	Core non-circularity		≤5.0%	
	Cladding diameter		125 ± 1.0μm	
	Cladding Non-Circularity		≤1.0%	
	Coating Diameter		245 ± 7μm	
	Coating-Cladding concentricity error		≤ 12.0 μm	
	Coating non-circularity		≤ 6.0%	
	Core-cladding concentricity error		≤ 1.0um	
	Delivery length		Up to 8.8km/reel	
Mechanical & Environmental Characteristics	Temperature dependence Induced Attenuation		-20°C ~+60°C	
	Storage Temperature		-40°C~+60°C	
	Tensile	: Short Term : Long Term	1500N 600N	
	Crush Load	: Short Term : Long Term	1000N 300N	
	Bending Radius	: Short Term : Long Term	30 * Cable Diameter 10 * Cable Diameter	
	Water Penetration		Comply to IEC794-3	

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Order Information				
Type	Fiber Count	Loose Tube	Cable	
		Diameter (MM)	Outer Diameter (MM)	(Weight (Kg/Km)
TTFO-AC-MFA04C	4	2.3	9.7	110
TTFO-AC-MFA06C	6	2.3	9.7	110
TTFO-AC-MFA08C	8	2.3	9.7	110
TTFO-AC-MFA12C	12	2.3	9.7	110
TTFO-ACL-MFA24C	24	2.5	10.7	135

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