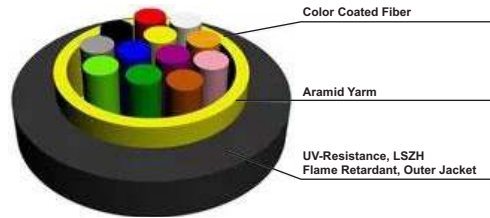




**MULTI CORE
INDOOR/OUTDOOR
MULTI MODE
FIBER CABLE SERIES**



TMT GLOBAL Multi mode Indoor/outdoor Fiber Cable Loose/Tight Tubes, OM2 50/125µm 6,8,12,24-Core LSZH

TMT GLOBAL provides high-strength optical fiber cables for use in various industrial, indoor, and outdoor applications. Offering unique properties and benefits for different types of use, our communications optical fiber cable products can easily meet complex application requirements and specifications. TMTGLOBAL optical fiber cable FTTH, FTTX, indoor/outdoor SM/MM, OS1, OS2, OM1, OM2, OM3, OM4 is compliant with ISO/IEC and ANSI/TIA Standard.

PHYSICAL DESCRIPTION		Mechanical and Environmental Properties		
Products	multi mode Fiber optic cable	Physical tests	Value	Standard
Tube Filling Compound	Thixotropic jelly /N	Tensile Strength	2700 N (during Installation) 1700 N (during Operation)	IEC 60794-1-E1
Fiber Type	50/125 OM2	Impact Resistance	10J, 3 impacts	IEC 60794-1-E4
Tube material	PBT (Polybutylene Terephthalate)	Crush Resistance	220 N/cm	IEC 60794-1-E3
Armour	N	Temperature Cycling	-40 to +70 °C	IEC 60794-1-F1
Packing Detail		Flame Retardancy	According to IEC 60332-3	IEC 60332-3
		Cable Bending Radius		
Fiber Count	6,8,12,24,	Bend Radius (during installation)	20x cable diameter	IEC 60794-1-2-E11A
Tube Outer/Inner Diameter(mm)	3.0/2.0 ±	Bend Radius (during Service)	10x cable diameter	IEC 60794-1-E11
Cable Diameter(mm)	4.2*-12	Repeating Bending	20x cable diameter	IEC 60794-1-E6
Cable Weight(kg/km)	45±	Temperature Range		
Length/ Drum	2000 m Drum ±5%	Operation Temperature	-40 to +70 C	
Ripcord	Polyester cord	Storage and Transportation Temperature	-40 to +70 C	IEC 60794-1-2-F1
Outer Jacket	PE,MDPE, LSZH	Installation Temperature	-30 to +60 C	

Optical Characteristics				
Fiber type		50/125 µm MM OM2	50/125 µm MM OM3	50/125 µm MM OM4
Attenuation (max)	850 nm	3.5 dB/km	3.5 dB/km	3.5 dB/km
	1300 nm	1.5 dB/km	1.5 dB/km	1.5 dB/km
Bandwidth (Laser EMB)	850 nm		2000 MHz.km	2000 MHz.km
	1300 nm		500 MHz.km	500 MHz.km
Bandwidth (Overfilled)	850 nm	700 MHz.km	1500 MHz.km	3500 MHz.km
	1300 nm	500 MHz.km	500 MHz.km	500 MHz.km
Numerical Aperture		0.200±0.015	0.2±0.015	0.2±0.015
Core Diameter		50 ± 2 µm	50 ± 2 µm	50 ± 2 µm
Cladding Diameter		125 ± 1µm	125 ± 1µm	125 ± 1µm
Core/Clad Concentricity error		≤ 1 µm	≤ 1 µm	≤ 1 µm
Cladding non-circularity		≤ 0.7 %	≤ 0.7 %	≤ 0.7 %
Coating Diameter		242 ± 5 µm	242 ± 5 µm	242 ± 5 µm
Proof Test		≥ 100kpsi or 0.7GPa	≥ 100kpsi or 0.7GPa	≥ 100kpsi or 0.7GPa

Ordering Information		
Model no	Products ID	Description
TMT-3210	TMT-062LDK	6CORE MULTI MODE INDOOR/OUTDOOR FIBER OPTIC CABLE OM2
TMT-3211	TMT-082LDK	8CORE MULTI MODE INDOOR/OUTDOOR FIBER OPTIC CABLE OM2
TMT-3212	TMT-122LDK	12CORE MULTI MODE INDOOR/OUTDOOR FIBER OPTIC CABLE OM2
TMT-3213	TMT-242LDK	24CORE MULTI MODE INDOOR/OUTDOOR FIBER OPTIC CABLE OM2