



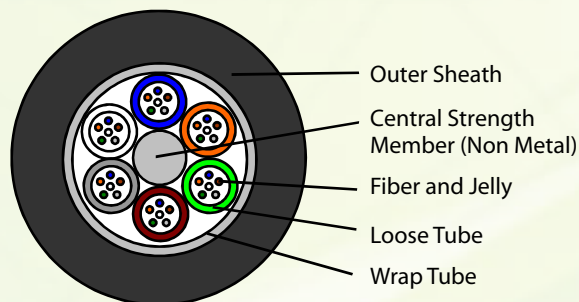
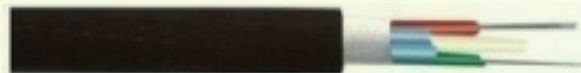
FIBER CABLE DUCT

Description

- Special two layer tube technology for good flexibility and bending resistant
- Filled with water proof filling compound
- Suitable for duct or aerial installation in area with high incidence of lightning or exposure to high voltage

Application:

- Long distance communication systems links
- Local area network and subscriber network
- Suitable to use for indoor distribution in riser or outdoor with proper ducting



Mechanical & Environmental Characteristics		Transmission Parameters			
Operation Temperature	-20C~+60C	Fiber/Glass Type	MM (62.5μm)	MM (50 μm)	SM (9 μm)
Storage Temperature	-40C~+60C	Operating Wavelength	850/1300nm	850/1300nm	1310/1550nm
Tensile : Short Term	1500N	Band Width (MHz.Km)	≥160/500	≥200/500	-
: Long Term	600N	Attenuation (dB/Km)	3.50/1.50	3.50/1.50	0.45/0.30
Crush Load : Short Term	1000N	Polarization Mode Dispersion (PMD)	-	-	≤0.2ps/(km)
: Long Term	300N	Cut Off Wave Length	-	-	≤1260nm
Bending Radius : Short Term	30 * Cable Diameter				
: Long Term	10 * Cable Diameter				
Water Penetration	Comply to IEC794-1-F5				

Geometrical parameters				
Fiber/Glass Type	MM (62.5 μm)	MM (50 μm)	SM (0.9 μm)	
Core Diameter	62.5 μm	50 μm	9 μm	
Mode Field Non-Circularity (MFD)	-	-	≤0.5μm	
Core / Cladding Concentricity Error	≤2μm	≤2μm	≤0.6μm	
Cladding Diameter	125μm±2.0	125μm±2.0	125μm±2.0	
Cladding Non Circularity	≤2.0%	≤2.0%	≤1.0%	
Coating / Cladding Concentricity	≤12μm	≤12μm	≤12μm	
Primary Coating Diameter	≤2.0 %	≤2.0 %	≤1.0 %	
Numerical Aperture	245±5μm	245±5μm	-	

Ordering Information								
Type	Fiber Count	Loose Tube		Fillers		Central Strength Member	Cable	Weight
		Diameter (MM)	No.	Diameter (MM)	No.	Diameter (MM)	Outer Diameter	(kg/km)
TTOC-DC-XM04C	4	2.2	1	2.2	6	3.0	11.5	110
TTOC-DC-XM06C	6	2.2	1	2.2	6	3.0	11.5	110
TTOC-DC-XM08C	8	2.2	2	2.2	5	3.0	11.5	112
TTOC-DC-XM12C	12	2.2	2	2.2	5	3.0	11.5	112
TTOC-DC-XM18C	18	2.2	3	2.2	4	3.0	11.5	112
TTOC-DC-XM24C	24	2.2	4	2.2	3	3.0	11.5	114