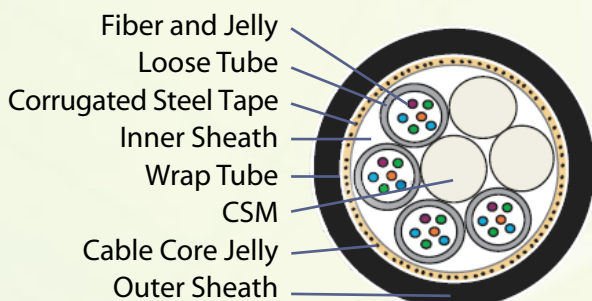


Description

Cross Section Diagram



Structure and Material Specification		
Central Strength Member	Material	Steel Wire
	Diameter	2.0mm
Loose Tube	Material	PBT
	Out Dia	Refer table below
Wrap Tape	Material	Water Proof Tape
	Thickness	0.2mm
Armoured	Material	AL/PE Laminated Tape Armoured & HDPE Outer Sheath
Outer Sheath	Material	PE
	Thickness	2.0mm
Mechanical / Electrical / Environment Characteristics		
Item	Parameter	
Tensile	Short Term	1500N
	Long Term	600N
Crush	Short Term	1000N/10cm
	Long Term	300N/10cm
Bending Radius	Installing	30* Cable Diameter
	Installing	≥10*Cable Diameter
Other Mechanical Characteristics	Correspond To IEC Publication	
Insulating Resistance of Sheath	≥2000M after 24 hours water immersion	
Water Penetration	Correspond To IEC794-1-F5	
Moisture Resistant Jelly	+ 70, No jelly will be flooded	
Temperature	-40~+70 Additional dispersion	
	0.05dB/Km	

Transmission Parameters Of Fibers						
Parameter	Unit	Singlemode Fiber			Multimode Fiber	
		G.652	G.652-C	G.655	G.651	G.651
					50/125	62.5/125
Attenuation						
850 nm	dB/Km				3.0	3.5
1310 nm		<=0.36	<=0.36		1.0	1.5
1383 nm		<=2.1	<=0.36	<=2.1		
1550 nm		<=0.22	<=0.22	<=0.22		
1625 nm			<=0.25	<=0.25		
Chromatic dispersion						
1288~1339 nm	ps/nm·km	<=3.5	<=3.5			
1550 nm		<=18	<=18			
1530~1565 nm				1.0 to 6.0		
1565~1625 nm				4.5 to 11.2		
Bandwidth						
850 nm	MHz·km				>=200	>=160
1300 nm					>=500	>=500
PMD						
individual fibre	ps/km 1/2	<=0.2	<=0.2	<=0.1		
link value		<=0.1	<=0.1	<=0.04		
Cut off wavelength (in cable)	nm	<=1260	<=1260	<=1480		
Geometrical Parameters Of Fibers						
Parameter	Unit	Singlemode Fiber			Multimode Fiber	
		G.652	G.655	G.655	G.651	G.651
					50/125	62.5/125
Mode field diameter at wavelength						
1310 nm	μm	9.2±0.4	9.2±0.4			
1550 nm	μm	10.4±0.8	10.4±0.8	9.2~10.0		
Mode field noncircularity	μm	<=0.5	<=0.5	<=0.5		
Core diameter	μm				50±2	62.5±2
Cladding diameter	μm	125±1.0			125±2.0	
Cladding ellipticity	%	<=1				
Coating / cladding concentricity	μm	<=12				
Core / cladding concentricity	μm	<=0.5			<=3.0	
Primary coating diameter	%	<=1.0			<=2.0	
Numerical aperture	μm	245±5				
Curl	m	>=4				

Ordering Information									
Type	Fiber Count	Central Strength Member	Loose Tube		Fillers		Sheath Thickness mm	Cable	
		Steel Wire Dia	Dia/mm	No	Dia/mm	No		Out Dia.	kg/km
TTOC-ACL-XM-04	4	2.0	1.9	1.0	1.9	5.0	2.0	11.2	117
TTOC-ACL-XM-06	6	2.0	1.9	1.0	1.9	5.0	2.0	11.2	117
TTOC-ACL-XM-08	8	2.0	1.9	2.0	1.9	4.0	2.0	11.2	118
TTOC-ACL-XM-12	12	2.0	1.9	2.0	1.9	4.0	2.0	11.2	118
TTOC-ACL-XM-16	16	2.0	1.9	3.0	1.9	3.0	2.0	11.2	119
TTOC-ACL-XM-18	18	2.0	1.9	3.0	1.9	3.0	2.0	11.2	119
TTOC-ACL-XM-24	24	2.0	1.9	4.0	1.9	2.0	2.0	11.2	121
TTOC-ACL-XM-36	36	2.0	1.9	6.0	-	-	2.0	11.2	123
TTOC-ACL-XM-48	48	2.3	2.2	6.0	-	-	2.0	12.2	149
TTOC-ACL-XM-96	96	2.5	2.4	8.0	-	-	2.0	14.2	195