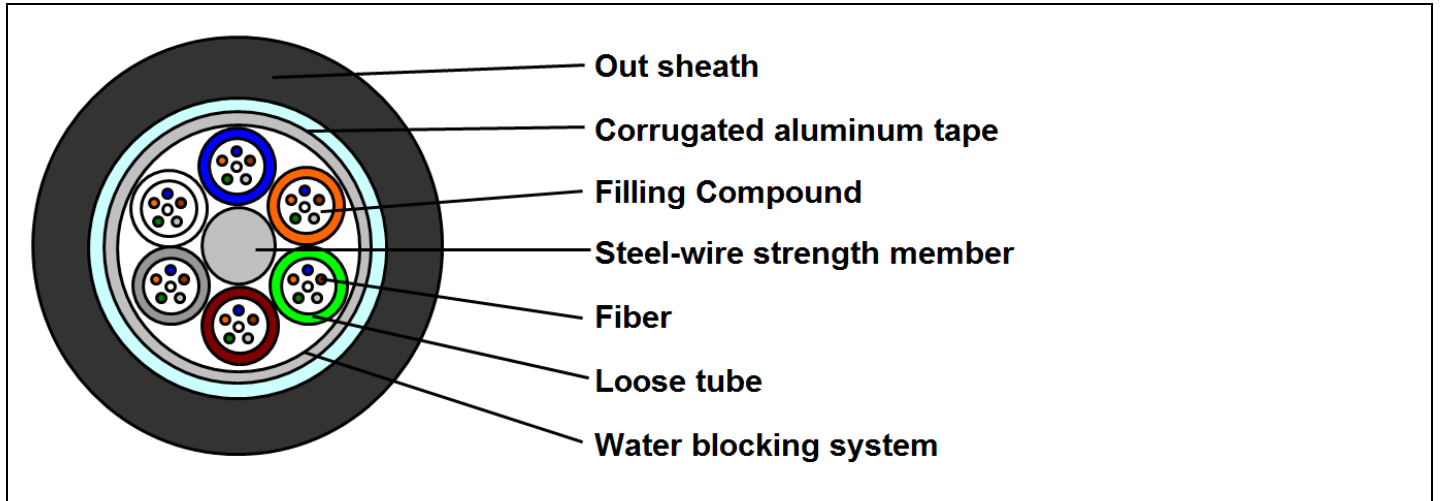


GYTA 24-144 Core Outdoor Optical Fiber Cable

Product Structure Diagram



Product Description

GYTA outdoor fiber optic cable, is also called multi loose tube aluminum polyethylene laminated tape external cable, is consisted of 250um fibers held in oil filled PBT loose tubes wrapped around a phosphatized steel wire central strength member. This is surrounded by either water blocking jelly, a aluminum tape laminated on both sides with polyethylene and bonded tightly to the PE sheath.

Application

- Adapted to outdoor distribution.
- Suitable for external applications in ducts and aerial applications.
- Long distance and local area network communication.

Technical Specifications

Product Parameters

Cable Count (Core)	Out Sheath Diameter (MM)	Weight (KG)	Minimum Allowable Tensile Strength(N)		Minimum Allowable Crush Load (N/100mm)		Min Bending Radius (MM)		Suitable Temperature (℃)
			Short-term	Long-term	Short-term	Long-term	Short-term	Long-term	
24	10.5	105.00	1500	600	1000	300	20D	10D	-40 to +60
36	10.5	105.00	1500	600	1000	300	20D	10D	
42	10.5	105.00	1500	600	1000	300	20D	10D	
48	10.5	105.00	1500	600	1000	300	20D	10D	
60	10.5	105.00	1500	600	1000	300	20D	10D	
72	10.5	105.00	1500	600	1000	300	20D	10D	
96	10.5	105.00	1500	600	1000	300	20D	10D	
144	10.5	105.00	1500	600	1000	300	20D	10D	

Fiber Characteristics

Parameter	Unit	9/125 SMF-OS2	62.5/125 MMF-OM1	50/125 MMF-OM2	50/125 MMF-OM3	50/125 MMF-OM4
Attenuation	dB/Km	1310nm≤0.35 1550nm≤0.22	850 nm≤3.0 1300 nm≤0.8	850 nm≤3.0 1300 nm≤0.7	850 nm≤2.3 1300 nm≤0.7	850 nm≤2.3 1300 nm≤0.7
Dispersion	Ps/nm.km	1285~1330nm≤3.5 1550nm≤18.0	-	-	-	
Fiber Diameter	um	9/125 um	62.5/125 um	50/125 um	50/125 um	50/125 um
Effective Modal Bandwidth	EMB	-	850 nm≥200	850 nm≥750	850 nm≥2000	850 nm≥4700
Zero Dispersion Wavelength	Nm	1300~1324	-		-	-
Zero Dispersion Slope	Ps/nm.km	≤0.095	-		-	-
Fiber Cutoff Wavelength	um	≤1260	-		-	-
Mode Field Diameter	um	@1310nm-9.2±0.4 @1550nm-10.4±0.8	-	-	-	-
Mode Field Concentricity	um	≤0.8	-	-	-	-
Cladding Diameter	um	125±1.0	125±2.0	125±1.0	125±1.0	125±1.0
Cladding Non-circularity	%	≤1.0	≤2.0	≤1.0	≤1.0	≤1.0
Coating/Cladding	um	≤12.5	≤12.5	≤12.5	≤12.5	≤12.5
Concentricity Error						
Coating Diameter	um	245±10	245±10	245±10	245±10	245±10