


Inspection Report

Code	FTTH-Bow-type self-supporting drop cables for access network(Outdoor)				Fiber core	Cable Length	Date	Carton NO.
Type	GJYXFCH(Optical fiber :SM,1Core,G.657A1, GFRP;φ0.5mm,GFRP :φ1.0mm;Sheath :LSZH)				G.657A1	2000M	2018-11-23	
Information 1	Mode field diameter(um)	(8.6~9.5)±0.4			Color Characteristic	Zero dispersion wavelength(nm)		1300-1324
	Clasdding diameter(um)	125±0.7						
	Core concentricity error(um)	≤0.5						
	Cladding noncircularity(%)	<1.0						
	Cable cut-off wavelength(nm)	≤1260				Zero dispersion-slope(ps/nm2km)		≅ 0.092
formation	Cable structure integrity and appearance				PASS			
	Sheath outer diameter				2.0*5.0 mm			
	Suspension member diameter				GFRP:Φ1.0mm			
	Sheath marking				Outdoor Drop cable Fiber 1C SM G657A1 FTTH LSZH 2000M			
Test	Wavelength	a、Atetenuation 1310nm ≤ 0.35dB/Km;1550nm ≤ 0.22dB/Km			b、 Environmental performance	Test item		Loss change
	(nm)	Blue				Temperature range:(-10~+60℃)		0.02dB/Km
	1310	≤0.35dB/KM				Test cycle:2 Cyles		
	1550	≤0.22dB/KM				Hold time per half cycle:16 Hours		
	c、 Bending test		Radius = 15 mm ,10 turns			1550 nm Loss change ≤ 0.25dB		0.06dB
			Radius = 10 mm ,1 turns			1550 nm Loss change ≤ 0.75dB		0.09dB
Cable cross section	1 G.657A1 Single-mode Optical Fiber							
	0.5mm GFRPreinforcement							
	1.0mm GFRP reinforcement							
	5.0mm LSZH-Sheath							

Remark: Structure Type Code GJYX-Self-supporting butterfly drop cable;C -Self -supporting structure;H-Low smoke zero halogen flame retardant polyolefin Sheath