

# Inspection Report

Code	FTTH - Bow-type self-supporting drop cables for access network (Outdoor)			Fiber core	Cable length	Date	Carton No.
Type	GJYXCH( Optical fibre:SM,1Core,G.657A1;Steel wire : $\Phi$ 0.45mm;Sheath:LSZH )			1G.657A1	2000 m	09/01/2020	30 /75
Information 1	Mode field diameter (um)	(8.6~9.5) $\pm$ 0.4		Color Characteristic	Zero dispersion wavelength (nm)		1300-1324
	Cladding diameter (um)	125 $\pm$ 0.7					
	Core concentricity error (um)	$\leq$ 0.5			Zero Dispersion-slope ( ps/(nm <sup>2</sup> ·km) )		$\leq$ 0.092
	Cladding noncircularity (%)	< 1.0					
	Cable cut-off wavelength (nm)	$\leq$ 1260					
Information 2	Cable structure integrity and appearance			Pass			
	Sheath outer diameter			2.0 $\times$ 5.0 mm			
Test	Wavelength (nm)	a. Attenuation (1310nm $\leq$ 0.36dB/km ; 1550nm $\leq$ 0.25dB/km)		b. Environmental performance	Test item	Loss change ( $\leq$ 0.1 dB)	
	1310	0.307			Temperature range: (-10~+60 $^{\circ}$ C)	0.02 dB/km	
	1550	0.218			Test cycle : 2 Cyles		
	c. Bending test		Radius = 15 mm , 10 turns	1550 nm Loss change $\leq$ 0.25 dB	0.06 dB	<b>Result</b>	pass
			Radius = 10 mm , 1 turns	1550 nm Loss change $\leq$ 0.75 dB	0.08 dB		