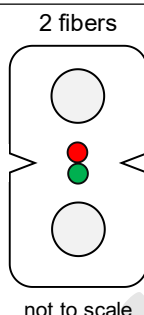


1 Application / Construction

Identification	GJXFH-2G.657A1		
Application	Indoor dropping installation		
Cross section			
Configuration	<ul style="list-style-type: none"> - Colored fibers (red, green) - Strength member: FRP*2 - Outer sheath LSZH , White (or other colors as required) 		
Temperature range	Storage and transport -20 to +70°C	Installation -5 to +40°C	Operation -5 to +50°C
Standards	IEC 60793-1, IEC 60793-2, IEC 60794-2		
ZTT Specification	ZTT 19-106014-1-A		
Customer Reference	Common standard		

2 Dimensions

Strength member		FRP*2
Outer diameter	mm	$(2.0 \pm 0.1) * (3.1 \pm 0.1)$
Weight/km (Nominal)	Kg	9

Sizes and values without tolerances are reference values

3 Mechanical Properties

Tensile load	80N
Crush resistance	1000N/10cm
Min. bending radius	(In flat direction) Installation: 30mm, Operation: 15mm

See Point 6: Test Methods

4 Marking

Fiber color: red and green

Outer Sheath: White, Ink jet print, marking in 1 meter intervals as follows (for example) :

ZTT INDOOR CABLE Cable Type Batch No. <meter marking >

5 Optical Fiber

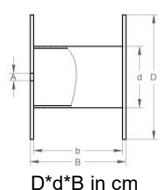
Standard	ITU-T G.657A1		
Optical	Fibre attenuation .. cabled	@1310 nm ≤0.40 dB/km	@1550 nm ≤0.30 dB/km
	Zero Dispersion Wavelength	1300~1324 nm	
	Zero Dispersion Slope	≤0.092 ps/nm ² ·km	
	Macro bending Loss (10 turns; Φ30 mm) @1550 nm (10 turns; Φ30 mm) @1625 nm (1 turns; Φ20 mm) @1550 nm (1 turns; Φ20 mm) @1625 nm	≤0.25 dB ≤1.00 dB ≤0.75 dB ≤1.50 dB	
	Mode Field Diameter @1310 nm	8.8±0.4 μm	
Geometric	Cladding Diameter	125±0.7 μm	
	Cladding non circularity	≤ 1.0%	
	Core/clad concentricity error	≤ 0.5μm	
Mechanical	Proof stress	≥ 0.69 GPa	

6 Test Methods

Test	Conditions	Acceptance criteria
Tension Loading IEC 60794-1-2 E1	Tensile strength: see Point 3 Sample length: ≥ 50 m, Test duration: 10 min	- Δα reversible - No damage
Crush/Compression IEC 60794-1-2 E3	Crush: see Point 3 Test duration: 1 min, number of tests: 3	- Δα ≤ 0.4 dB - No damage
Impact Resistance IEC 60794-1-2 E4	Impact energy: 1 J R = 300 mm, number of places/tests: 3	- Δα ≤ 0.4 dB after test - No damage
Torsion/Twist IEC 60794-1-2 E7	Sample length: 1 m ± 180°, 20N, 20 cycles	- Δα ≤ 0.4 dB after test - No damage
Temperature cycling IEC 60794-1-2 F1	-5°C .. +50°C 8h at each temperature step 2 cycles	- Change of attenuation ≤ 0.2 dB/km - No damage

All optical measurements at 1550 nm

7 Logistics

Cable type	Standard length 500m		 D*d*B in cm
GJXFH-2G.657A1	Drum type Dimensions Weight	Plastic 27*15*17 5	

Dimensions including protection. Indicative values, actually delivered drum sizes and weights may deviate. Cable ends sealed with caps

A	Dec 17, 2019	Yury	Erica	Felix	
Version	Date	Prepared	Reviewed	Approved	Remark

ZTT International Ltd

No.5, Zhongtian road, Nantong economic and technological development zone, Zip code 226010, Jiangsu Province, China Tel: +86-513-89191138 Fax: +86-513-8359 9670