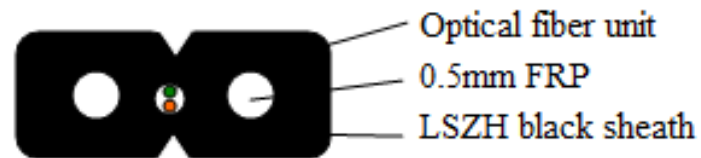


1. Cable type: GJXFH-2B6a2 (2.0×3.0)

2. Profile view



3. Technology specification

Item	Technology parameter
Cable type	GJXFH-2B6a2,
Product specification	2.0×3.0
Fiber type	9/125 (G657A2)
Fiber color	Blue, Orange
Strength member	FRP
Strength member diameter	0.5mm
Outer sheath material	LSZH
Outer sheath color	White
Outer sheath thickness mm	≥0.5
Cable weight Kg/km	9.0
Min. bending radius	With suspension unit:120mm Without suspension unit:15mm
Attenuation dB/km	≤ 0.4 at 1310nm, ≤ 0.25 at 1550nm
Short tension N	800 (Fiber strain: 0.5%)
Short crush N/100mm	1000
Span	80m
Working Condition	
Transportation and storage temperature	-10℃～+70℃
Installation temperature	0℃～+60℃
Operation temperature	-20℃～+65℃

Note: the product is accord with the instruction of EU ROHS

Characteristic of Optical Fiber (G657A2)

Category	Description	Specification	
		Before cable	After cable
Geometrical Characteristics	Cladding diameter	$124.8 \pm 0.7 \mu\text{m}$	
	Cladding non-circularity	$\leq 0.7 \%$	
	Core concentricity error	$\leq 0.5 \mu\text{m}$	
	Coating diameter	245 $\pm$ 10 μm (Before Colored) 250 $\pm$ 15 μm (Colored)	
	Coating/cladding concentricity error	$\leq 12 \mu\text{m}$	
Optical Characteristics	Mode field diameter	8.4~9.2 μm at 1310 nm 9.3~10.3 μm at 1550 nm (typical)	
	Point discontinuity	$\leq 0.05\text{dB}$	
	Attenuation at 1310 nm	$\leq 0.35 \text{ dB/km}$	$\leq 0.40 \text{ dB/km}$
	Attenuation at 1383 nm	$\leq 0.35 \text{ dB/km}$	$\leq 0.40 \text{ dB/km}$
	Attenuation at 1490 nm	$\leq 0.23 \text{ dB/km}$	$\leq 0.30 \text{ dB/km}$
	Attenuation at 1550 nm	$\leq 0.21 \text{ dB/km}$	$\leq 0.25 \text{ dB/km}$
	Attenuation at 1625 nm	$\leq 0.24 \text{ dB/km}$	$\leq 0.32 \text{ dB/km}$
	Dispersion in 1285 – 1330 nm	$\leq 3.5 \text{ ps}/(\text{nm}\cdot\text{km})$	
	Dispersion in 1271 – 1360 nm	$\leq 5.3 \text{ ps}/(\text{nm}\cdot\text{km})$	
	Dispersion at 1550 nm	$\leq 18 \text{ ps}/(\text{nm}\cdot\text{km})$	
	Zero dispersion wavelength	1300 – 1324 nm	
	Zero dispersion slope	$\leq 0.092 \text{ ps}/(\text{nm}^2\cdot\text{km})$	
	Cable cut-off wavelength	$\leq 1260 \text{ nm}$	
	Polarization mode dispersion individual fiber	$\leq 0.2 \text{ ps}/\sqrt{\text{km}}$	
	Polarization mode dispersion design link value (M=20, Q=0.01%)	$\leq 0.1 \text{ ps}/\sqrt{\text{km}}$	
Mechanical Specification	Proof stress level	$\geq 100\text{kpsi}$ (0.69 GPa)	
	Coating strip force(peak value)	1.3~8.9N	
	Fiber curl (Radius)	$\geq 4 \text{ m}$	