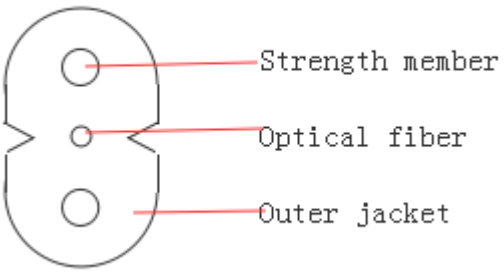
GJXFH

Cross Section of Cable



Optical Fiber Type and Properties

Item		Unit	Specification
Fiber Type			G.657A1
Mode field diameter	1310nm	μm	8.6-9.5 ± 0.4
Cladding diameter		μm	125.0 ± 0.7
Cladding non-circularity		%	≤1.0
Core concentricity error		μm	≤0.5
Coating diameter		μm	245 ± 5
Coating/cladding concentricity error		μm	≤12
Cable cut-off wavelength		nm	≤ 1260
Attenuation Coefficient	1310nm	dB/km	≤0.4
	1550nm	dB/km	≤0.3
Macro-bend loss (1 turn, 10mm radius)	1550nm	dB/km	≤0.75
	1625nm	dB/km	≤1.5
Proof stress level		kpsi	≥100

Note: Other parameters meet standard ITU-T G.657

Item		Unit	Specification
Fiber Type			G.657A2
Mode field diameter	1310nm	μm	8.6-9.5 ± 0.4
Cladding diameter		μm	125.0 ± 0.7
Cladding non-circularity		%	≤1.0
Core concentricity error		μm	≤0.5
Coating diameter		μm	245±5
Coating/cladding concentricity error		μm	≤12
Cable cut-off wavelength		nm	≤ 1260
Attenuation Coefficient	1310nm	dB/km	≤0.4
	1550nm	dB/km	≤0.3
Macro-bend loss (1 turn,7.5mm radius)	1550nm	dB/km	≤0.5
	1625nm	dB/km	≤1.0
Proof stress level		kpsi	≥100

Note: Other parameters meet standard ITU-T G.657

Dimensions of Cable Constructions

Item		Parameters	
Fiber	Number of cores	1	2
	Color	Natural color	Full color spectrum
Strength member	Material	FRP	
Outer jacket	Material	LSZH（Oxygen index≥25%）	
	Color	White	
Cable diameter（mm）		2.0±0.1*3.0±0.1	
Min. bending radius	Static	15mm	
	Dynamic	30mm	

Tensile performance	Short term	80N
Crush	Short term	1000N/100mm

Working Condition

Item	Standard	Parameters
Operation temperature	IEC 60794-1-2 F1	-5℃～+50℃

Drum

Cable type	Drum			
	Height(mm)	Width(mm)	Inner diameter(mm)	Length（km）
GJXFH	300	275	110	2

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