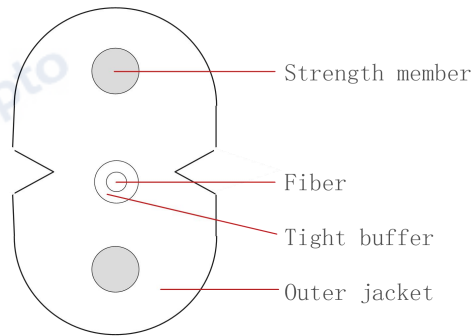




GJIXH

Cross Section of Cable



Optical Fiber Type and Properties

Item	Unit	Specification
Fiber Type		G.652
Mode field diameter	1310nm	μm 9.2 ± 0.4
	1550nm	μm 10.4 ± 0.8
Cladding diameter	μm	125.0 ± 1
Cladding non-circularity	%	≤ 1.0
Core/cladding concentricity error	μm	≤ 0.5
Coating diameter	μm	242 ± 7
Coating/cladding concentricity error	μm	≤ 12
Cable cut-off wavelength	nm	≤ 1260
Attenuation Coefficient	1310nm	dB/km ≤ 0.4
	1550nm	dB/km ≤ 0.3
Proof stress level	kpsi	≥ 100

Note: Other parameters meet standard ITU-T G.652



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/cladding 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

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/cladding 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

Dimensions of Cable Constructions

Item		Parameters
Tight buffer fiber	Number of cores	1
	Diameter	0.9±0.05mm
	Material	TPU
	Tight buffer color	Transparent
	Fiber color	Natural color
Strength member	Material	Phosphating steel wire
	Diameter	0.4mm
Outer jacket	Material	LSZH (Oxygen index ≥25%)
	Color	White
Cable diameter (Rip off the messenger wire)		2.0±0.1mm*3.0±0.1mm
Min. bending radius	Static	10 times cable diameter
	Dynamic	20 times cable diameter
Tensile performance	Short term	200N
Crush	Short term	2200N/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)	Drum type
GJXJH	250	275	110	1	Plywood wood drum

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Approver: Wang Yingli 2018/05/22

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