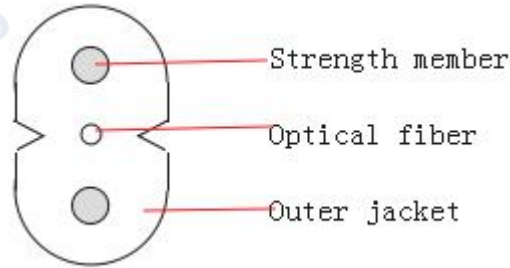


GJXH

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	Phosphating steel wire	
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	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)
GJXH	300	275	110	2

Designer: Wang Yingli 2018/01/22

Approver: Yu Wenshuang 2018/01/22

Serial number: 20170808-815

E-mail: sales@sopto.comWeb : <http://www.sopto.com>