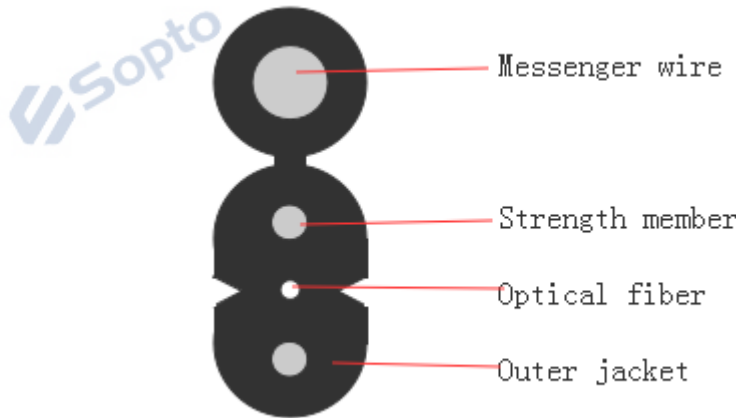




GJYXCH



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	4
	Color	Natural color	Full color spectrum	Full color spectrum
Strength member	Material	Phosphating steel wire		
Messenger wire	Material	Phosphating steel wire		
Outer jacket	Material	LSZH (Oxygen index ≥25%)		



	Color	Black
Cable diameter (Rip off the messenger wire) (mm)		2.0±0.1*3.0±0.1
Min. bending radiu (Rip off the messenger wire)	Static	15mm
	Dynamic	30mm
Tensile performance	Short term	600N
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)
GJYXCH	400	300	150	2

E-mail: info@sopto.com.cn

Web : <http://www.sopto.com.cn>