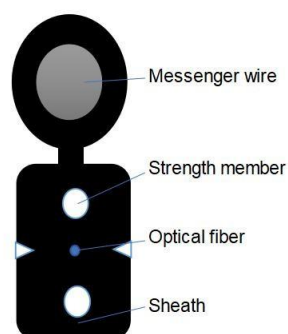


GJYXCH-1B6A2

1. Cable cross-section (This is for your reference only)



2. Cable structure and parameter

Item	Contents	Unit	Value
Optical Fiber	model number	/	G657A2
	number	/	1
	Color	/	Blue
Strength member	Material	/	steel wire
	Diameter	mm	0.4
Messenger wire	Material	/	steel wire
	Diameter	mm	1.0
Outer jacket	Diameter	mm	1.9±0.1*5.1±0.2
	Material	/	LSZH
	Color	/	black
Tensile performance	Short term	N	600(fiber strain≤0.4%)
	Long term	N	300
Crush	Short term	N/100mm	2200
	Long term	N/100mm	1000
Cable attenuation		dB/km	≅ 0.4 at 1310nm, ≅ 0.3 at 1550nm
Cable weight (Approx.)± 10%		kg/km	20

Note: sizes and values without tolerances are nominal values

3. Characteristic of Optical Cable

3.1 Min. bending radius (without messenger)

Static: 10mm

Dynamic: 20mm

3.2 Application temperature range

Operation: -20°C ~ +60°C

Installation: -20°C ~ +60°C

Storage/transportation:-20°C ~ +60°C

4. Optical fiber

G657A2 Characteristic of Optical Fiber

Item		Unit	Specification
			G. 657A2
Mode field diameter	1310nm	μm	8.6 ± 0.4
	1550nm	μm	9.6 ± 0.5
Cladding diameter		μm	125.0 ± 0.7
Cladding non-circularity		%	≤ 0.8
Core 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	≤ 0.35
	1550nm	dB/km	≤ 0.21
Macro-bend loss ($\varnothing 15\text{mm} \times 1$)	1550nm	dB	≤ 0.4
	1625nm	dB	≤ 0.8

Other parameters meet standard ITU-T G.657