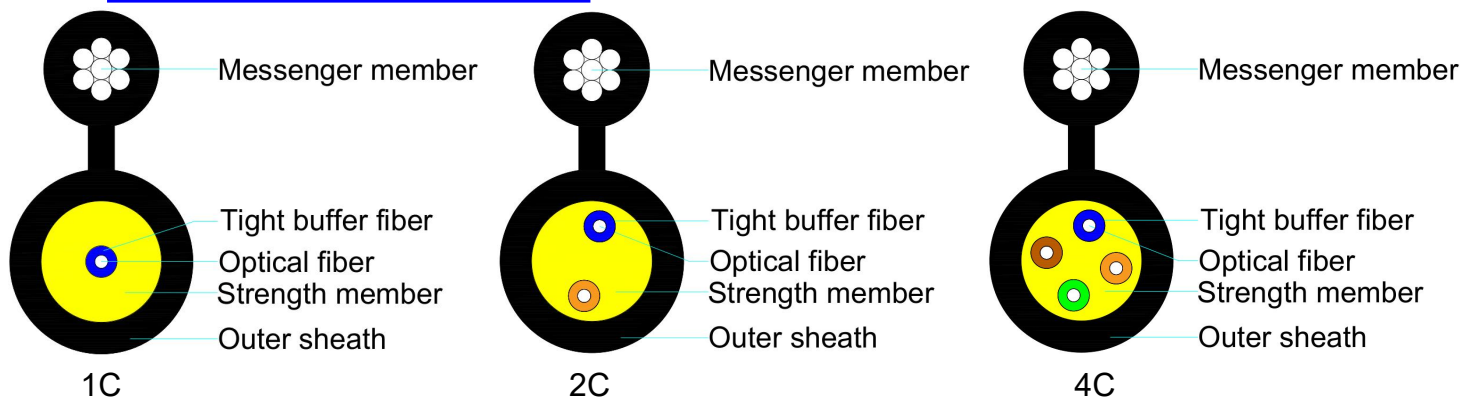


**Fig-8 Round-type Optical Fiber Drop Cable
GJYRC8H-1/2/4B6A1**

一、Cable sections:



二、Cable Constructions and Dimensions:

Items		Descriptions		
Optical fiber	Category	G657A1		
	Color	Natural		
Tight buffer fiber	Counts	1	2	4
	Color	Blue、Orange、Green、Brown		
	Diameter(mm)	0.6±0.05		
	Material	PVC		
Strength member		Aramid yarn		
Messenger member	Material	Stranded Galvanized steel wire		
	Diameter(mm)	1.2(7*0.4)		
Outer sheath	Diameter(mm)	(3.5±0.2)*(6.5±0.3)		
	Thickness(mm)	≥0.60		
	Material	LSZH/Black		

三、Optical Fiber Characteristics:

Optical properties of the SM fiber are achieved through a germanium doped silica based core with a pure silica cladding which meets ITU-T G657, UV curable acrylate protective coating is applied over the glass cladding to provide the necessary maximum fiber lifetime.

Geometrical and optical mechanical characteristics of fiber in cable as the following table:

Category	Items	Unit	Descriptions After cabled
Optical Characteristics	Attenuation at 1310 nm	dB/km	≤ 0.36
	Attenuation at 1550 nm	dB/km	≤ 0.22
	Zero dispersion wavelength	nm	1300~1324
	Zero dispersion slope	ps/(nm ² .km)	≤ 0.092
	Cable cut-off wavelength λ _{cc}	nm	≤ 1260
	Mode field diameter (MFD) at 1310 nm	μm	8.6~9.4
	Mode field diameter (MFD) at 1550 nm	μm	9.5~10.5

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	Macro-bend loss(10 turns, 15mm radius) at 1550nm	dB	≤ 0.25
	Macro-bend loss(1turn, 10mm radius) at 1550nm	dB	≤ 0.75
	Screening tension	N	≥ 9
	Dynamic fatigue parameters	/	≥ 20
	Coating peeling force(Typical average)	N	1.5
Geometrical Characteristics	Cladding diameter	μm	125 ± 0.7
	Cladding non-circularity	%	≤ 0.7
	Coating diameter	μm	235~255
	Coating/cladding concentricity error	μm	≤ 12.0
	Coating non-circularity	%	≤ 6.0
	Core/cladding concentricity error	μm	≤ 0.5

四、Mechanical and Environmental performance:

Items	Descriptions	
	Short-term	Long-term
Tensile performance	600N	300N
Crush resistance	2200N/100mm	1000N/100mm
Min bending radius(“H” is the height of the cable)	Static: 10H	
	Dynamic: 20H	
Installation temperature	-10℃ ~ + 50℃	
Operation temperature	-20℃ ~ + 60℃	
The mechanical properties of other optical fibers and optical cables shall meet the international standards of IEC60793 or IEC60794		