

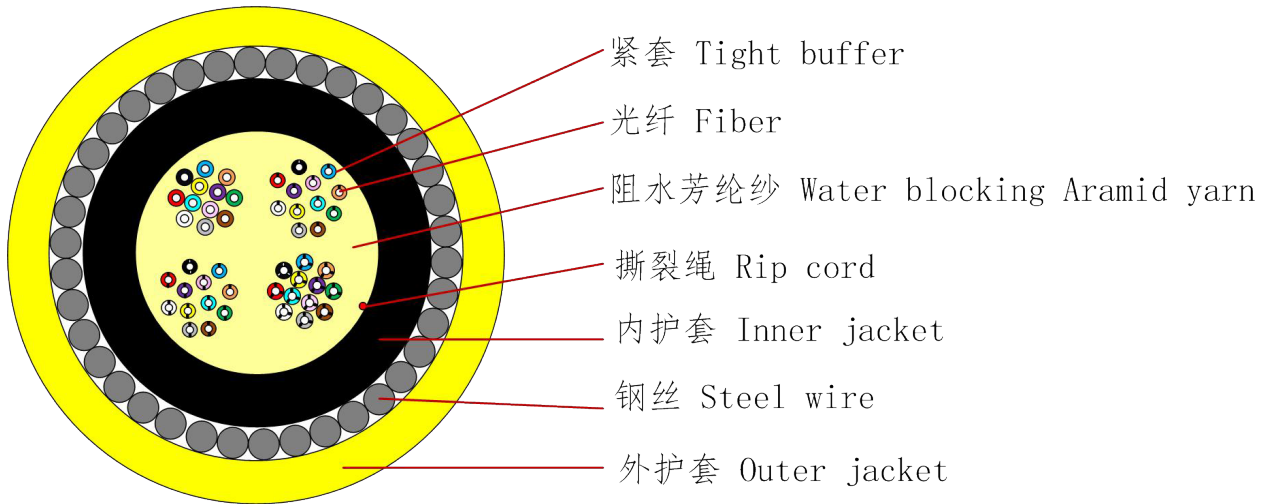


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Cable specification

1. Optical cable type: GJYFH33
2. Cross section of cable:



3. Optical fiber type and properties)

Item		Unit	Specification
			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	≤0.36
	1550nm	dB/km	≤0.22
Macro-bend loss (1 turn, 7.5mm radius)	1550nm	dB/km	≤0.5
	1625nm	dB/km	≤1.0
张力筛选试验 Proof stress level		kpsi	≥100

(Other parameters meet standard ITU-T G.657)

Item		Unit	Specification
			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

Other parameters meet standard ITU-T G.652

4. Dimensions of cable constructions

Item		Parameters
Tight buffer fiber	Diameter	0.9±0.05mm
	Material	LSZH
	Number of cores	48
	Tight buffer color	Full color spectrum
	Fiber color	Natural color
Strength member	Material	Water blocking aramid yarn
inner jacket	Diameter (mm)	10.0±0.3
	Thickness(mm)	1.0±0.1
	Material	LSZH
	Color	Black
Steel wire armoured	Material	Galvanized steel wire
Outer jacket	Diameter (mm)	15.4±0.5
	Thickness (mm)	1.8±0.1
	Material	LSZH
	Color	Yellow 107C
Min. bending radius	Static	12.5times cable diameter
	Dynamic	25times cable diameter

Tensile performance	Short term	7800N
Crush	Short term	2000N/100mm
Weight(kg/km)		359

5. Working condition

Item	Standard	Parameters
Operation temperature	IEC 60794-1-2 F1	-20℃～+60℃

6. 用盘(Drum)

(Cable type)	Drum				
	Height (mm)	Width (mm)	Inner diameter (mm)	Length (km)	Drum type
GJYFH33-4 8	1200	760	500	2	Plywood wood drum