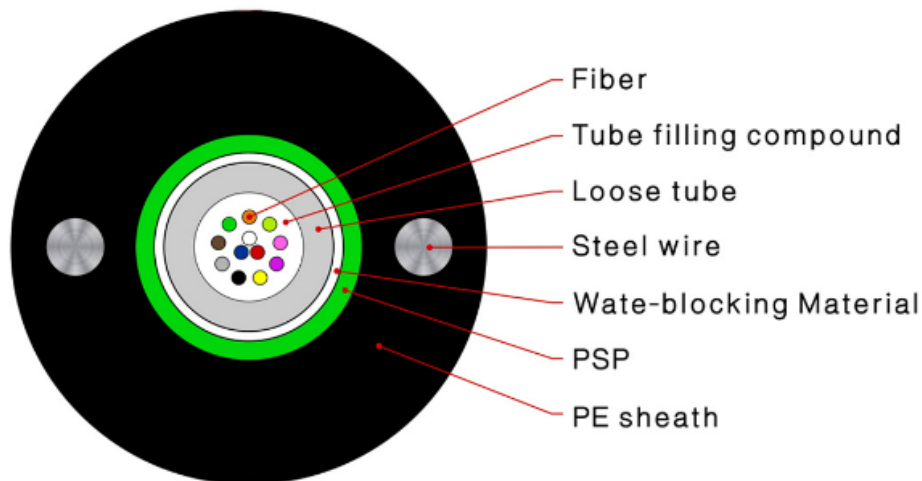


Cable specification

1. (Optical cable type): GYXTW

2. (Cross section of cable):



3. (Optical fiber type and properties)

Item		Unit		Specification
				G. 652D
Mode field diameter	1310nm	μm		9.2 ± 0.4
Cladding diameter		μm		125.0 ± 1
Cladding non-circularity		%		≤ 1.0
Coating diameter		μm		245 ± 10
Coating/cladding concentricity error		μm		≤ 12.5
Cable cut-off wavelength		nm		≤ 1260
Attenuation Coefficient	1310nm	dB/km		≤ 0.35
	1550nm	dB/km		≤ 0.21
Proof stress level		kpsi		≥ 100

ITU-T G.652 (Other parameters meet standard ITU-T G.652)

Item		Unit	Specification
			OM3
Core diameter		μm	50 ±2.5
Cladding diameter		μm	125.0 ± 1.0
Cladding non-circularity		%	≤1.0
Core/cladding concentricity error		μm	≤1.5
Coating diameter		μm	245±10
Coating/cladding concentricity error		μm	≤12
Bandwidth	850nm	MHz·km	≥ 1500
	1300nm	MHz·km	≥ 500
Attenuation Coefficient	850nm	dB/km	≤3.5
	1300nm	dB/km	≤1.5
Proof stress level		kpsi	≥100

Note: Other parameters meet standard IEC 60793-2-10

Item		Unit	Specification
			OM4
Core diameter		μm	50 ±2.5
Cladding diameter		μm	125.0 ± 1.0
Cladding non-circularity		%	≤1.0
Core/cladding concentricity error		μm	≤1.5
Coating diameter		μm	245±10
Coating/cladding concentricity error		μm	≤12
Bandwidth	850nm	MHz·km	≥ 3500
	1300nm	MHz·km	≥ 500
Attenuation Coefficient	850nm	dB/km	≤3.5
	1300nm	dB/km	≤1.5
Proof stress level		kpsi	≥100

Note: Other parameters meet standard IEC 60793-2-10

4. (Dimensions of cable constructions)

Fiber count	Structure	Fibers per tube	Loose tube diameter (mm)	CSM diameter /pad diameter (mm)	Nominal Thickness of Inner jacket (mm)	Nominal Thickness of outer jacket (mm)	Cable diameter (mm)	Cable weigh (kg/km)
2	UNIT UBE	2	2.0±0.1	/	/	2	7.4±0.3	52
4	UNIT UBE	4	2.0±0.1	/	/	2	7.4±0.3	52
6	UNIT UBE	6	2.0±0.1	/	/	2	7.4±0.3	52
8	UNIT UBE	8	2.0±0.1	/	/	2	7.4±0.3	53
12	UNIT UBE	12	2.0±0.1	/	/	2	7.4±0.3	54

5. Cable performance

Item		Parameters
Fiber	Color	Full color spectrum
Loose tube	Material	PBT
	Color	Full color spectrum
Reinforced pieces	Material	Phosphating steel wire
Armoured	Material	Plastic coated steel strip
Outer jacket	Material	MDPE
	Color	Black
Min.bending radius	Static	10 times cable diameter
	Dynamic	20times cable diameter
Tensile performance	Short term	1500N (附加衰减≤0.1dB Additional attenuation≤0.1dB)
Crush	Short term	1000N/100mm (附加衰减≤0.1dB Additional attenuation≤0.1dB)

6.Environmental performance

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

7.Drum

Cable type	Drum				
	Length (mm)	Width (mm)	Height (mm)	Lengt h(km)	Drum type
GYXTW-(2-12)	585	585	640	2	Plywood wood drum