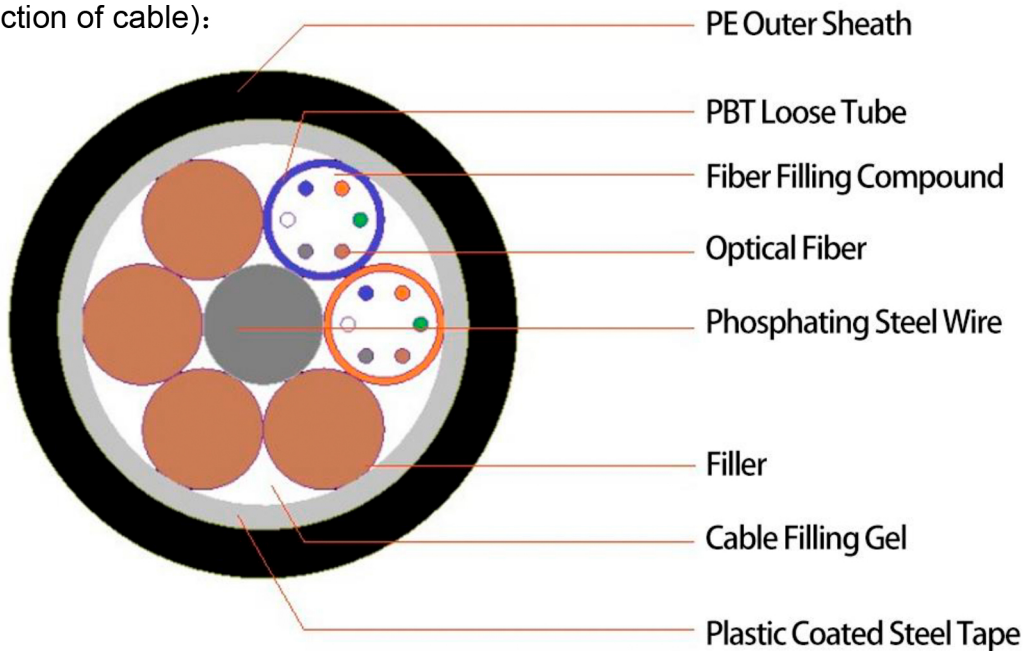


Optical cable type - GYTS-12B1.3

Cable Specification

(Cross section of cable):



(Optical fiber type and properties)

(Item)		Unit	Specification
			G. 652D
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	≤ 0.36
	1550nm	dB/km	≤ 0.22
Proof stress level		kpsi	≥ 100

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

Optical cable type - GYTS-12B1.3

(Dimensions of cable constructions)

Number of optical fiber	12
Fiber type	G652D
Cable structure	1+6
Outer diameter of loose tube	1.8mm
Number of fiber cores in each tube	6
Diameter of optical cable	9 ± 0.1mm
Weight	100KG/KM
Thickness of outer sheath	1.8mm
Diameter of steel wire	1.4 mm
Thickness of loose tube	0.3mm

(Cable performance)

(Item)		(Parameters)
Loose Tube	Material	PBT
	Color	Blue Orange
Filler	Material	PP
	Color	Grey /Brown
Outer Sheath	Material	PE
	Color	Black
CSM	Material	Phosphating steel wire
Armoured	Material	Plastic Coated Steel Tape
Fiber Chromatography		Blue orange green brown grey white
Min. bending radius	Static	10.0 10 times cable diameter
	Dynamic	20 20 times cable diameter
Tensile performance	Short term	1500N
	Long term	1000N
Flattening	Short term	1500N/100mm

Optical cable type - GYTS-12B1.3

(Environmental performance)

(Item)	(Standard)	(Parameters)
Operation temperature	IEC 60794-1-2 F1	-45°C~+75°C

(Drum)

No. of cores	Diameter	Width	Length	Material
12	90 cm	65 cm	3000 m	Plywood wood drum

