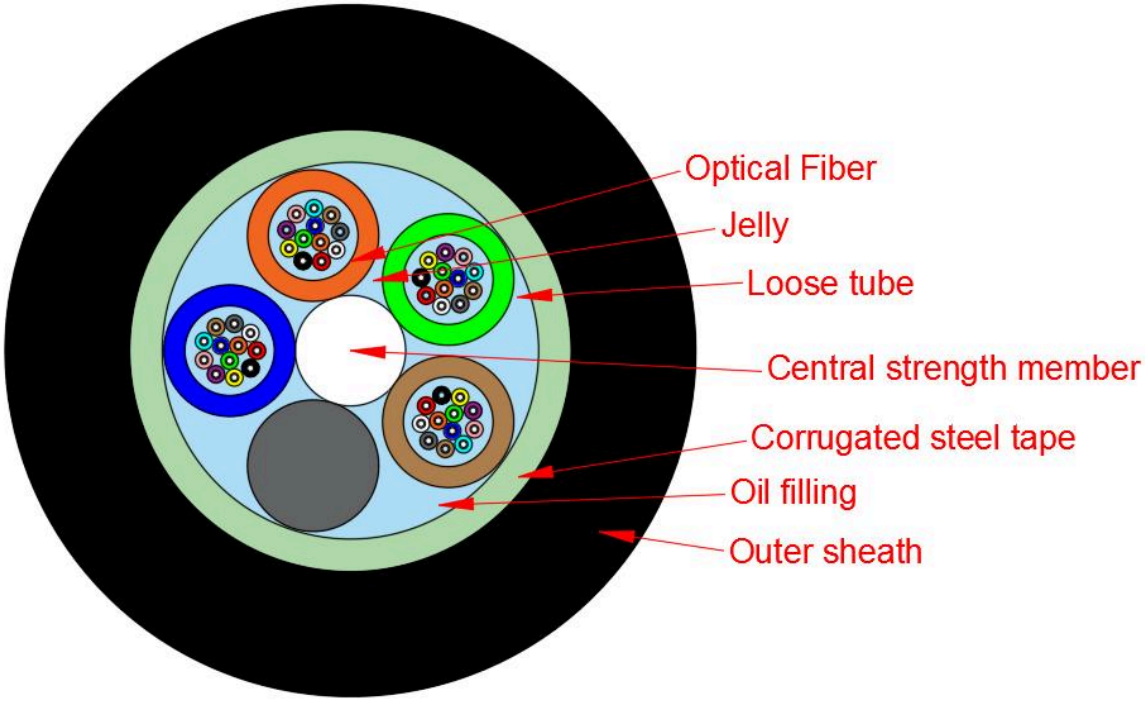
Stranded Loose Tube Light-armored Cable

GYTS-48X

Structure Diagram



Optical Fiber Characteristics

Single-mode

Fiber type		G652D (1310/1550nm)	G657A1 (1310/1550nm)	G657A2 (1310/1550nm)	G657B3 (1310/1550nm)
Attenuation	Typical	0.36/0.22	0.36/0.22	0.36/0.22	0.36/0.22
	Maximum	0.4/0.3	0.4/0.3	0.4/0.3	0.4/0.3
Zero Dispersion Slope		≤0.091 ps/km • nm 2	≤0.092 ps/km • nm 2	≤0.092 ps/km • nm 2	≤0.092 ps/km • nm 2
Dispersion(1285~1340nm)		-3.5 – 3.5ps/(nm·km)	-3.5 – 3.5ps/(nm·km)	-3.5 – 3.5ps/(nm·km)	-3.5 – 3.5ps/(nm·km)
Mode field Diameter(@1310nm)		9.1±0.4 μm	8.8±0.4 μm	8.8±0.4 μm	8.6±0.4 μm
Cutoff wavelength cable(nm)		≤1260 nm	≤1260 nm	≤1260 nm	≤1260 nm
Min bend radius(mm)		16 mm	10 mm	7.5 mm	5 mm
Cladding diameter(μm)		125±1.0	125±1.0	125±1.0	125±1.0

Multi-mode

Fiber type		62.5/125μm (850/1300nm)	50/125μm (850/1300nm)	OM2+ (850/1300nm)	OM3 (850/1300nm)	OM4 (850/1300nm)	OM5 (850/953/1300nm)
Attenuation	Typical	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/---/1.0
	Maximum	3.5/1.5	3.5/1.5	3.5/1.5	3.5/1.5	3.5/1.5	3.5/---/1.5
Bandwidth(MHz·km)		≥200/≥500	≥400/≥500	≥700/≥500	≥1500/≥500	≥3500/≥500	≥3500/≥1850/≥500
Effective modal bandwidth		----/----	----/----	≥950	≥2000/----	≥4700/----	≥4700/≥4700/---
10 Gigabit Ethernet SX (M)		----/----	----/----	----/----	≤300/----	≤550/----	40GBASE-SR4/100GBASE-SR10@850--200M
Min bend radius(mm)		16 mm	10 mm	7.5 mm	7.5 mm	7.5 mm	7.5 mm
Cladding diameter(μm)		125±1.0	125±1.0	125±1.0	125±1.0	125±1.0	125±1.0

Dimensions of Cable Constructions Cable Performance

Items		Descriptions
Optical fiber	Category	fiber
	Color	Blue Orange Green Brown Grey White Red Black Yellow Violet Pink Aqua
	Counts	48
Structure	/	1+5
CSM	Material	Steel wire
Loose tube	Material	PBT
	Color	Blue Orange Green Brown
	Counts	4
	Fibers per tube	12
Filler	Number	1
Outer sheath	Material	PE
	Color	Black
	Filler	Oil filling
	Metal layer	Corrugated Steel tape
	Cable diameter(mm) ±5%	9.2
	Thickness (mm)	Nominal 1.55
weight ±10%KG/KM		90

Mechanical and Environmental Characteristics

Items		Descriptions	
Tensile Strength		short-term	1500N
		long-term	800N
Crush Resistance		short-term	1000N/100mm
		long-term	600N/100mm
Temperature Range		-40℃-+70℃	
Bending Radius	Dynamic	≥25D	
	Static	≥12.5D	

Packing

Each single length of cable shall be wound on a wooden composite drum. Export type disc. Provide fumigation report and fumigation stamp when necessary.

Drum length Pan long 2.0-4.0 KM

Total quantity is at least the ordered quantity.Or it can be delivered according to customers' requirements.

Cable Marking

Cable Marker every Meter by inkjet printing:

Year of manufacture

Type of Cable

Number of fiber

Cable length

According to customer or our company request .