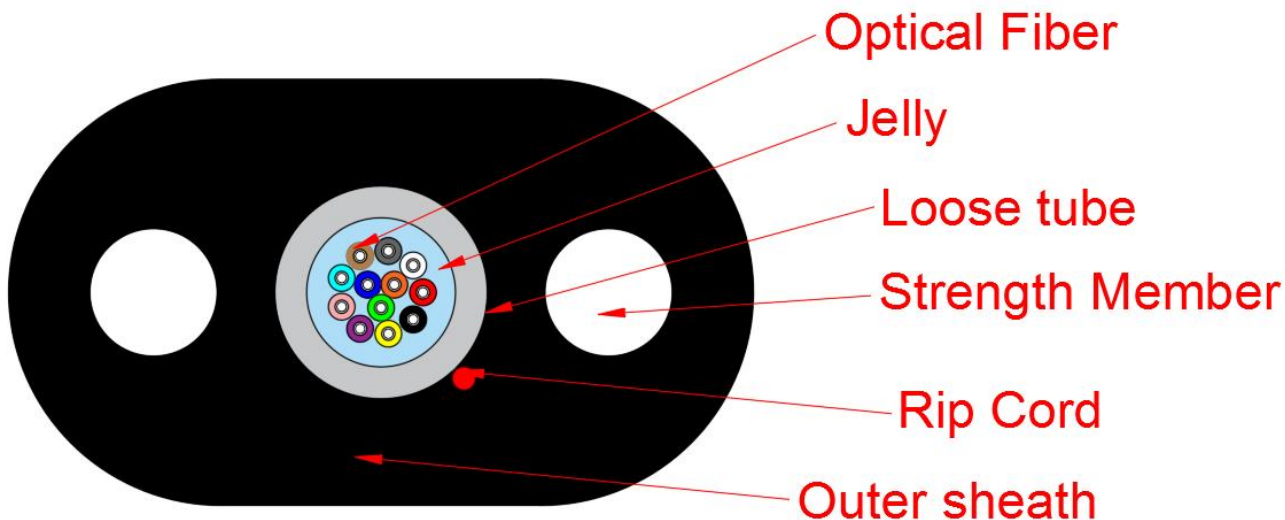


Access network flat indoor and outdoor optical drop cable

GYFXTBY-1-12X

Structure Chart



Cable Parameters

Items		Specifications
Fiber Count		1-12X
Fiber Color		Blue Orange Green Brown Grey White Red Black Yellow Violet Pink Aqua
Loose tube	Material	PBT
	Structure	Jelly
	Color	Natural
Strength Member	Material	2*FRP
Sheath	Dimension mm	4.0±0.2*7.0±0.3
	Rip Cord	1*Rip Cord
	Material	PE
	Color	Black
weight ±10%KG/KM		40

Optical 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		$\leq 0.091 \text{ ps/km} \cdot \text{nm}^2$	$\leq 0.092 \text{ ps/km} \cdot \text{nm}^2$	$\leq 0.092 \text{ ps/km} \cdot \text{nm}^2$	$\leq 0.092 \text{ ps/km} \cdot \text{nm}^2$
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)		$\leq 1260 \text{ nm}$	$\leq 1260 \text{ nm}$	$\leq 1260 \text{ nm}$	$\leq 1260 \text{ nm}$
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)		$\geq 200/\geq 500$	$\geq 400/\geq 500$	$\geq 700/\geq 500$	$\geq 1500/\geq 500$	$\geq 3500/\geq 500$	$\geq 3500/\geq 1850/\geq 500$
Effective modal bandwidth		----/----	----/----	≥ 950	≥ 2000 /----	≥ 4700 /----	$\geq 4700/\geq 4700$ /----
10 Gigabit Ethernet SX (M)		----/----	----/----	----/----	≤ 300 /----	≤ 550 /----	40GBASE-SR4/100GB ASE-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

Mechanical and Environmental Characteristics

Items	Unite	Specifications
Tensile strength (Long Term)	N	300
Tensile strength (Short Term)	N	1200
Crush (Long Term)	N/10cm	500
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	12.5D
Min. Bend Radius (Static)	mm	25D
Operating Temperature	℃	-20~+60

Packing

Wooden Drums Protection

According to customer or our company request.

Delivery Length

Standard Reel Length: 0.5-2.0 km

According to customer or our company request

Marking

Cable Marker every Meter by inkjet printing.

-Year of manufacture

-Type of Cable

-Number of fiber

-Cable length

-Etc

According to customer or our company request .