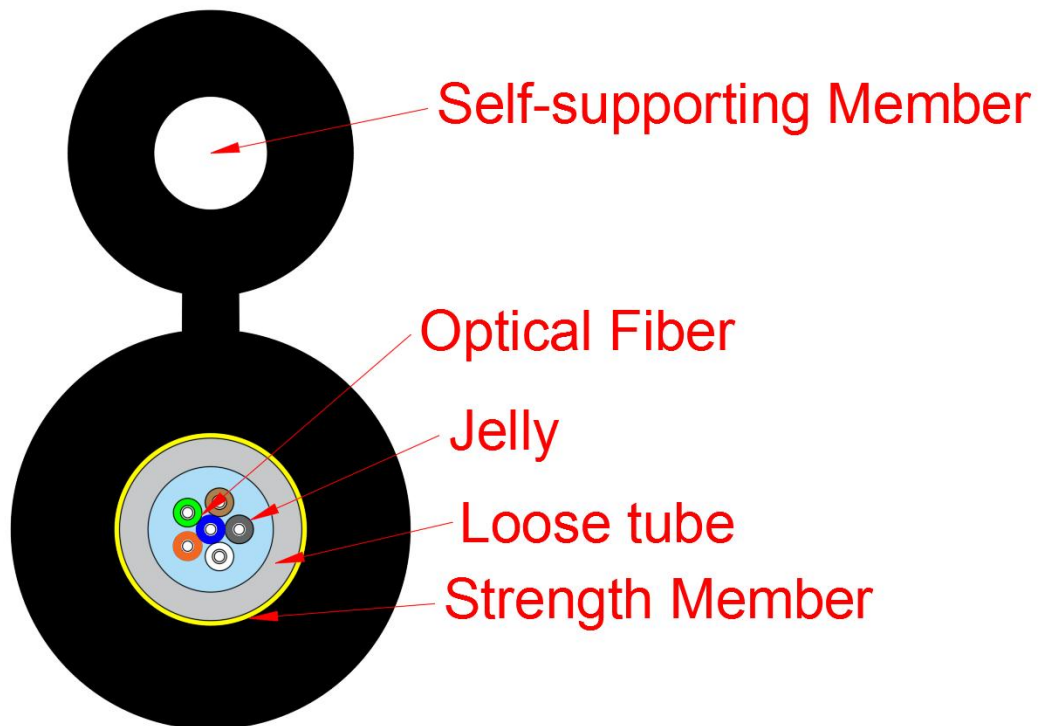


Figure-8 type access network drop cable

GYXTC8Y-1-12X

Structure Diagram



Fiber Attenuation

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		62.5/125 μ m (850/1300nm)	50/125 μ m (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(μ m)		125 $\pm$ 1.0	125 $\pm$ 1.0	125 $\pm$ 1.0	125 $\pm$ 1.0	125 $\pm$ 1.0	125 $\pm$ 1.0

Cable Dimensions and Constructions

Items		Descriptions		
Optical Fiber	Fiber count	1-6X	8X	12X
	Color	Blue Orange Green Brown Grey White Red Black Yellow Violet Pink Aqua		
Loose tube	Color	Natural		
	Fillers	Jelly		
Self-supporting Member	Material	Steel Wire		
	Sheath diameter	2.2 $\pm$ 0.2mm		
Sheath	Material	PE		
	Strength Member	Non-metallic reinforced yarn		
	Color	Black		
	Diameter	2.2 ($\pm$ 0.2) *3.5 ($\pm$ 0.4) *6.5 ($\pm$ 0.5) mm		
weight $\pm$ 10%KG/KM		28		

Mechanical and Environmental Characteristics

Items		Descriptions	
Tensile Strength		short-term	1000N
		long-term	300N
Crush Resistance		short-term	500N/100mm
		long-term	200N/100mm
Temperature Range		-20℃ -+60℃	
Bending Radius	Dynamic	≥25D	
	Static	≥12.5D	

Packing

Wooden Drums Protection.

According to customer or our company request.

Delivery Length

Standard Reel Length: 0.5-3.0 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 .