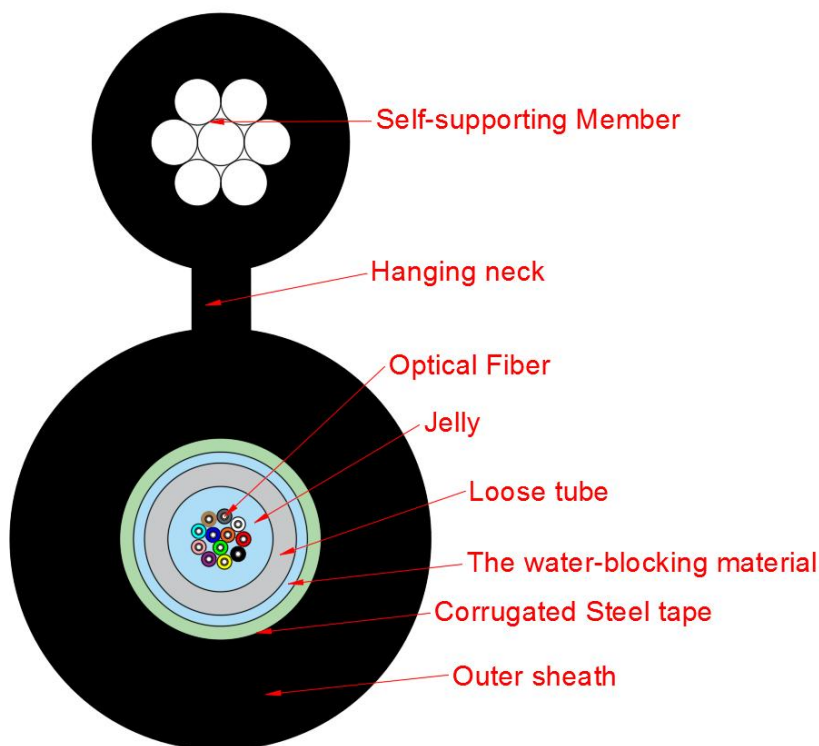


Figure-8 type access network cable

GYXTC8S-2-24X

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		62.5/125μm (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-SR4/100GB 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

Cable Dimensions and Constructions

Items		Descriptions
Optical Fiber	Fiber count	2-24x
	Color	Blue Orange Green Brown Grey White Red Black Yellow Violet Pink Aqua The color wheel to distinguish
Loose tube	Color	Natural
	Fillers	Jelly
Self-supporting Member	Material	Stranded Wire
Sheath	Material	PE
	Waterproof layer	The water-blocking material
	Metal layer	Corrugated Steel tape
	Color	Black
	Diameter	7.2 (±0.4) *13.6 (±0.5) mm
	Thickness	≥1.6 mm

Mechanical and Environmental Characteristics

Items		Descriptions	
Tensile Strength		short-term	2800N
		long-term	1300N
Crush Resistance		short-term	1000N/100mm
		long-term	500N/100mm
Temperature Range		-40℃-+60℃	
Bending Radius	Dynamic	≥25D	
	Static	≥12.5D	

Packing

Wooden Drums Protection.

According to customer or our company request.

Delivery Length

Standard Reel Length: 2.0-4.0 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 .