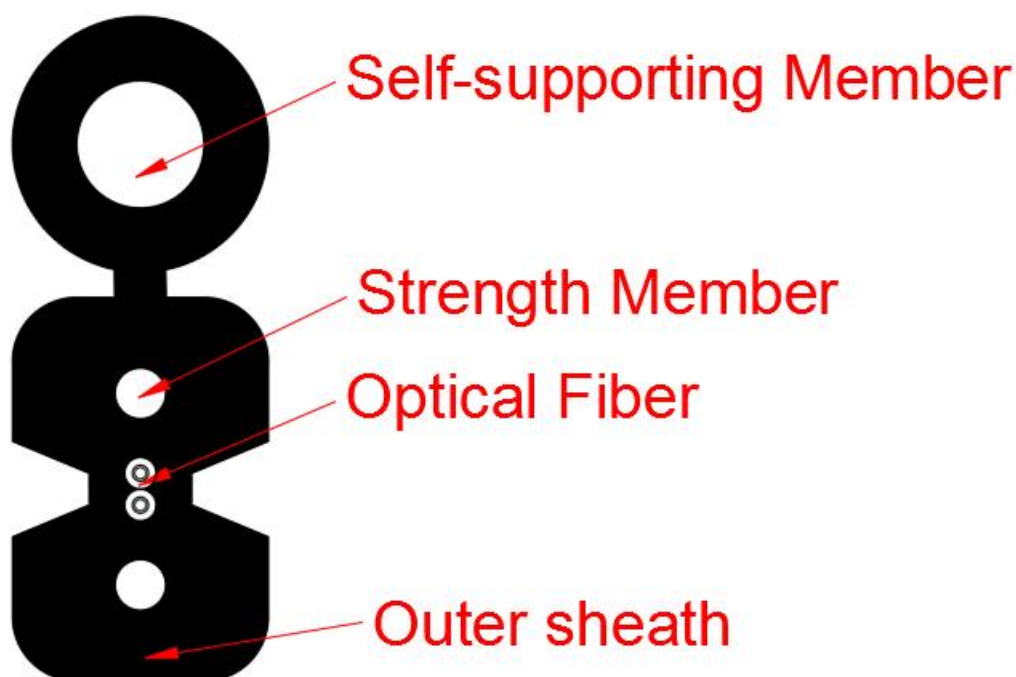


Self-supporting Bow-type Drop Cable

GJYXFCH-1-4X

Structure Diagram



Optical parameters and properties

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)		$9.1 \pm 0.4 \mu\text{m}$	$8.8 \pm 0.4 \mu\text{m}$	$8.8 \pm 0.4 \mu\text{m}$	$8.6 \pm 0.4 \mu\text{m}$
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

Product structure

Items		Descriptions
Optical Fiber	Fiber count	1-4X
	Color	Natural Blue Orange Green
Suspension reinforced member	Material	Steel wire
Sheath	Material	LSZH
	Color	Black
	Strength Member Material	FRP
	Strength Member Diameter	0.5mm
	Diameter	2.0($\pm$ 0.2)*5.2($\pm$ 0.2)mm
weight $\pm$ 5%KG/KM		18.5

Mechanical and Environmental Characteristics

Items		Descriptions	
Tensile Strength		short-term	600N
		long-term	300N
Crush Resistance		short-term	2200N/100mm
		long-term	1000N/100mm
Temperature Range		-20℃ -+60℃	
Bending Radius	Dynamic	≥20D	
	Static	≥10D	

Packing

Packing: 0.5-2.0 KM/Drum

Drum

Drum: Each single length of cable shall be wound on a wooden composite drum. Export type disc.

Cables should be protected from moisture; kept away from high temperature and fire sparks; protected from over bending and crushing; protected from mechanical stress and damage.

Cable Marking

Cable Marker every Meter by inkjet printing:

Year of manufacture

Type of Cable

Number of fiber

Cable length

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According to customer or our company request .