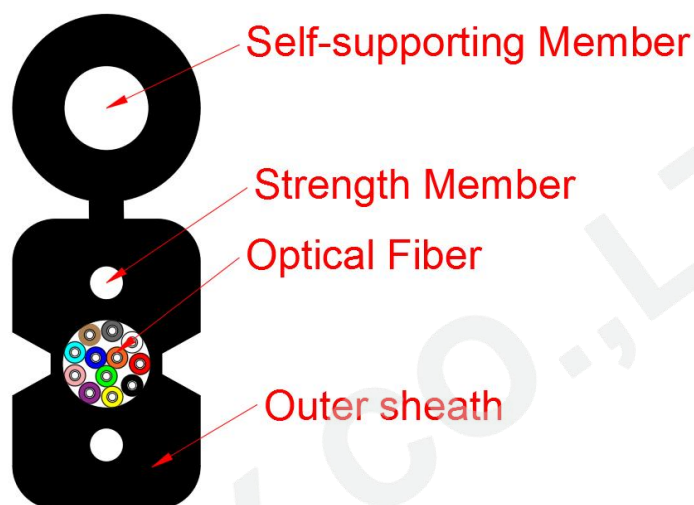


Self-supporting Bow-type Drop Cable YXCH-12FO

Structure Diagram (Reference appearance)



Optical parameters and properties

Single-mode

Fiber type		G652D (1310/1550nm)	G657A1 (1310/1550nm)	G657A2 (1310/1550nm)	G657B3 (1310/1550nm)
Attenuation	Typical	0.35/0.21	0.35/0.21	0.35/0.21	0.35/0.21
	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		62.5/125μm (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

Product structure

Items		Descriptions
Optical Fiber	Fiber count	12FO
	Color	Blue Orange Green Brown Grey White Red Black Yellow Violet Pink Aqua
Suspension reinforced member	Material	Steel Wire
	Diameter	1.0mm
Sheath	Material	LSZH Anti-UV
	Color	Black
	Strength Member Material	Steel Wire
	Strength Member Diameter	0.45mm
	Diameter	2.5(±0.2)*5.8(±0.2)mm
weight ±5%KG/KM		24.5



Mechanical and Environmental Characteristics

Items		Descriptions	
Tensile Strength	IEC 60794-1-E1	short-term	600N
		long-term	300N
Crush Resistance	IEC 60794-1-E3	short-term	2200N/100mm
		long-term	1000N/100mm
Cable Impact	IEC 60794-1-E4	No obvious change after test	
Repeat Bending	IEC 60794-1-E6		
Cable Bend	IEC 60794-1-E11		
Temperature Range	IEC 60794-1-2-F1	-40℃ -+70℃	
Bending Radius	Static	10XCable Diameter	
	Dynamic	20XCable Diameter	

Packing

The standard delivery lengths are 0.5 km, 1.0 km, 2.0 km per drum. Other lengths are available upon request.

Drum

Modes of Packing: Each single length of cable shall be wound on a reinforced type wooden composite drum. Export type disc, Fumigation and fumigation reports are not required. The packaging is designed to be aesthetically pleasing, utilizing custom spray-packed cartons.

Cables are coiled on wooden or plastic drums. During transportation, appropriate tools must be utilized to prevent damage to the packaging and ensure ease of handling.

Cables should be protected from moisture, kept away from high temperatures and fire hazards, and safeguarded against excessive bending, crushing, mechanical stress, and physical damage.



Cable Marking

The cable will be provided with identifications and length marks located along the surface of the outer cover.

Marking shall be carried out by means of an appropriate system which ensures legibility and contrast with that of the outer cover, which is indelible, weather-resistant and which is perfectly adhered to the basic material.

The cable will be equipped with identification marks and length indicators along the surface of the outer sheath.

Markings shall be applied using a system that ensures legibility, contrast with the outer sheath, indelibility, weather resistance, and perfect adhesion to the base material.

The color of the markings should preferably be white or black, or another color and tone deemed appropriate for clear visibility.

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