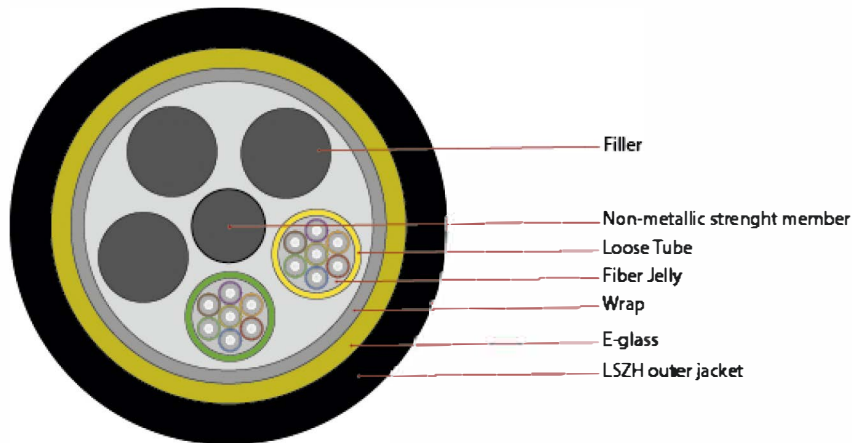


Cable GYFTY with e-glass

GYFTY Outdoor Fiber Optic Cable is a non-metallic cable used for power transmission system, excessive thunder areas and high electromagnetic interface. GYFTY fiber cable's mainly application is for aerial or duct use. Fiber GYFTY cable FRP locates in the center of cores as a non-metallic strength member. GYFTY cable is used in high-voltage area for long distance communications. Includ e-glass.



Characteristics

- Low dispersion and attenuation;
- Proper design, precise control for fiber excess length and distinct stranding process render the cable excellent mechanical and environmental properties;
- With good anti-electromagnetism ability;
- Filler protect loose tuber fiber.

Application

- Adopted to Outdoor distribution;
- Adopted to trunk power transmission system;
- Access network and local network in high electromagnetic interfering places.

Fiber Parameters

No.	Items		Unit	Specification
				G652D
1	Mode Field Diameter	1310nm	μm	9.2±0.4
		1550nm	μm	10.4±0.5
2	Cladding Diameter		μm	124.8±0.7
3	Cladding Non-Circularity		%	≤0.7
4	Core-Cladding Concentricity Error		μm	≤0.5
5	Coating Diameter		μm	245±5
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
9	Attenuation(max.)	1310nm	dB/km	≤0.36
		1550nm	dB/km	≤0.22

Cable GYFTY with e-glass

Cable Parameters

Items		Specifications
Fiber Count		24
Colored Coating Fiber	Dimension	250μm±15μm
	Color	Blue、Orange、Green、Brown、 Grey、White
Loose Tube	Dimension	2.0mm±0.05mm
	Material	PBT
	Color	Blue、Orange、Green、Brown
	Thickness	0.30mm±0.05mm
Filler	Dimension	2.0mm±0.05mm
	Material	PP
	Color	Natural
Central Strength Member	Diameter	1.5mm±0.05mm
	Material	FPR
Outer Jacket	Dimension	10.0mm±0.2mm
	Material	LSZH
	Color	Black
	Thickness	1.8mm±0.20mm

Mechanical and Environmental Characteristics

Items	Unite	Specifications
Tension (Long Term)	N	600
Tension (Short Term)	N	1500
Crush (Long Term)	N/10cm	300
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	°C	-20~+60
Operating Temperature	°C	-40~+70
Storage Temperature	°C	-40~+70
Pan long	m	2000
Net Weight	Kg/km	125±5