



Prostal Limited.

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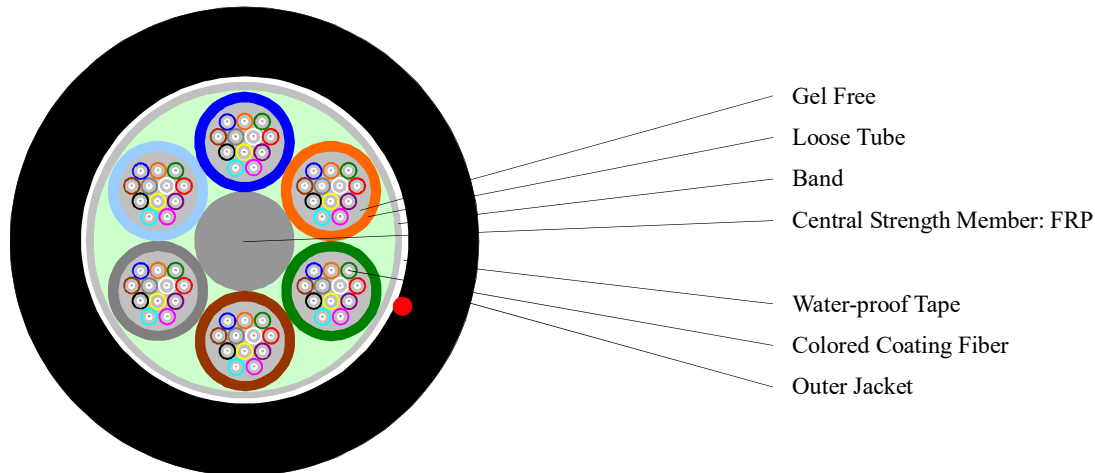
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Outdoor optical fiber cable 6~72 Fibers

GYFTY-72(6F)

Profile View



Main Features:

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Loose tubes filling compound
- Special tube filling compound ensure a critical protection of fiber
- High crush resistance and flexibility
- Aramid yarn strength member ensures good performance of tensile strength
- Single fiber reinforce plastic as the central strength member
- 100% cable core filling

Fiber Parameters

No.	Items		Unit	Specification
				50/125
1	Core Diameter		μm	50.0±2.5
2	Cladding Diameter		μm	124.8±1.0
3	Cladding Non-Circularity		%	≤1.0
4	Core-Cladding Concentricity Error		μm	≤1.5
5	Coating Diameter		μm	245±7
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Bandwidth(min.)	850nm	MHz·km	600
		1300nm	MHz·km	1200
9	Attenuation Coefficient	850nm	dB/km	≤3.0
		1300nm	dB/km	≤1.0



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Cable Parameters

Items		Specifications
Fiber Count		72
Colored Coating Fiber	Dimension	250 μ m $\pm$ 15 μ m
	Color	Blue、Orange、Green、Brown、Grey、Natural、Red、Black、Yellow、Purple、Pink、Aqua
Loose Tube	Dimension	2.5mm $\pm$ 0.1mm
	Material	PBT
	Color	Blue、Orange、Green、Brown、Grey、Natural、
Central Strength Member	Diameter	2.5mm
	Material	FRP
Outer Jacket	Dimension	10.5mm $\pm$ 0.3mm
	Material	HDPE
	Color	Black

Mechanical and Environmental Characteristics

Items	Unite	Specifications
Tension (Long Term)	N	8900
Tension (Short Term)	N	2700
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 $\sim$ +60
Operating Temperature	°C	-40 $\sim$ +70
Storage Temperature	°C	-40 $\sim$ +70