

GYFTY53 Non-Metallic Armored Fiber Optic Cable

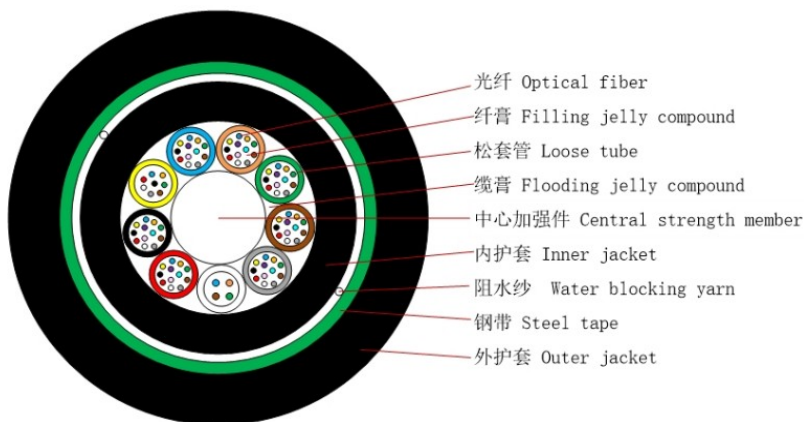
Description

GYFTY53 is a heavy-duty non-metallic armored fiber optic cable designed for harsh outdoor environments. With FRP strength members and double-layer protection, it provides excellent mechanical strength, moisture resistance, and reliable transmission performance in duct and direct burial applications



Features

- Double-layer protection: Excellent resistance to mechanical damage
- Fully dielectric design: Safe for high-voltage and lightning-prone areas
- Anti-EMI performance: Stable signal transmission without interference
- High moisture resistance: Water-blocking system ensures long-term reliability
- Rodent protection: Strong outer sheath resists damage from rodents
- High tensile strength: Suitable for long-distance and complex installation
- Corrosion-free structure: No metal components, suitable for harsh environments



Specification	6 cores	12 cores	24 cores	48 cores	72 cores	96 cores	144 cores	288 cores
Fiber Type	Single Mode: G.652D / G.657A1 / G.657A2 Multimode: OM1 / OM2 / OM3 / OM4 (optional)							
Strength Member	FRP (Fiber Reinforced Plastic), fully non-metallic							
Armoring	Non-metallic reinforced protective layer (high-strength dielectric armor)							
Outer Sheath Structure	Double-layer PE jacket (inner + outer sheath)							
Outer Diameter (mm)	10.8 ±	11.2 ±	11.8 ±	12.6 ±	13.4 ±	14.2 ±	15.5 ±	18.5 ±

Specification	6 cores	12 cores	24 cores	48 cores	72 cores	96 cores	144 cores	288 cores
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Approx. Weight (kg/km)	150 ± 10	165 ± 10	185 ± 10	220 ± 10	250 ± 10	280 ± 10	320 ± 10	400 ± 10
Min. Bending Radius (mm)	150 / 300	160 / 320	170 / 340	180 / 360	200 / 400	220 / 440	250 / 500	300 / 600
Tensile Strength (N)	Short-term ≥ 3000, Long-term ≥ 1000							
Crush Resistance (N/100mm)	Short-term ≥ 3000, Long-term ≥ 1500							
Water Blocking System	Water-blocking gel and water-blocking yarn							
Installation Temperature	-20°C to +60°C							
Operating / Storage Temperature	-40°C to +70°C							
Application	Direct burial, duct installation, high-voltage and harsh environments							
Standard Compliance	IEC 60794-1, ITU-T G.652/G.657, RoHS							

Applications: Duct, Aerial