

Biological Protection Optical Fiber Cable



GYFTY83(FS)

Anti-Rodent Flat FRP Tape Stranded Loose tube Fiber Optic Cable

Introduction:

ZION provides optical cables that resistant to biological hazards caused by rodents, termites and birds, etc. after installation. Optical cables are often damaged by rodents. Termites not only bite, but also release formic acid to the cables. We design methods include physical (include metallic and glass fiber armor and nylon sheath) and chemical methods (Spicy additives) against biological hazards. GYFTY83(FS) is designed with physical and chemical anti-rodent methods. Single-mode/multimode fibres are housed in loose tubes that are made of high-modulus plastic. The tubes are stranded around a central strength member to form a cable core. The core is filled with cable filling compound. Then an inner PE sheath is extruded and armored with flat FRP. Finally, an anti-rodent PE middle sheath and a PE outer sheath is extruded.

Features:

Accurate process control ensuring good mechanical and temperature performances
The material of loose tubes with good hydrolysis resistance and relatively high strength
Tube filling compound providing key protection for fibres
Combination of physical and chemical anti-rodent methods
Flat FRP armor providing the physical anti-rodent performance
Anti-rodent sheath providing the chemical anti-rodent performance, which effectively delays the diffusion of anti-rodent additives to protect working environment and construction safety
All-dielectric design, applicable to lightning-prone areas
Applicable to aerial and duct installations with anti-rodent and anti-lightning requirements

Main Methods:

Physical methods	Metallic armors	Stainless steel tape	Rodent and Birds
		Steel wires	
	Non-Metallic armors	FRP	Rodent and Birds
		Glass Yarn	Rodent
	Nylon sheath	Nylon outer sheath	Termite
Chemical methods	Chemical additives	Spicy additives	Rodent and Termite

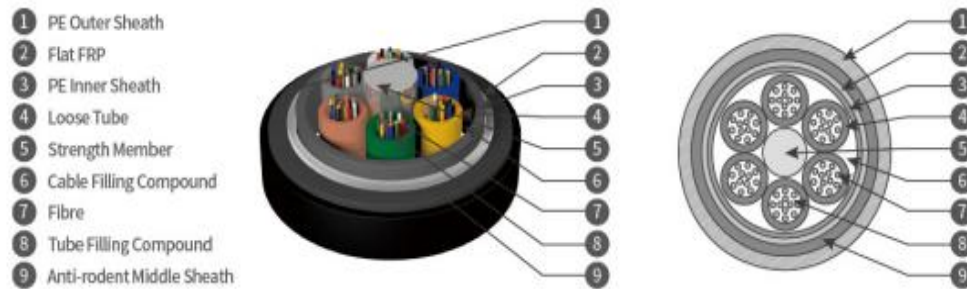
Product Series:

Uni-Tube	GYGXZY04	Glass fibre tape+Nylon sheath	Rodent, Termite, Lightning
	GYXTY53	Stainless steel tape+wire	Rodent, Birds
	GYXTS	Stainless steel tape+wire	Rodent, Birds
	GYXTY	Stainless steel wire	Rodent, Birds
	GYFXTY	FRP Armor	Rodent, Birds, Lightning
Stranded loose tube	GYFTA53	Aluminum tape+steel tape	Rodent
	GYFTA54	steel tape+nylon sheath	Rodent, Termite
	GYFTY83(FS)	Flat FRP tape	Rodent
	GYFTY73	FRP tape armor	Rodent, Birds, Lightning
	GYFTS	Stainless steel tape	Rodent, Birds
Special	GJFJKH	Stainless Steel Flexible Hose	Indoor protection from Rodent

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Cross Section:



Technical Characteristics:

Type	Units	Diameter mm	Weight (kg/km)	Tension(N) Long/short	Crush Resistance Long/short (N/100mm)
GYFTY83 -02-72Xn	6	14.0±0.1	190	1500/4500	1000/3000

Note: This specification provides a normative reference. Adjustable outer diameter to suit your budget. Contact us ASAP.

Environmental Characteristics:

Transport/storage temperature: -40℃~70℃

Delivery Length:

Standard length:2000m;Other length availabe

Online Service:

Skype	
Wechat	
Whatsapp	
Email	