

Unitube Non-metallic Lighting Rodent Protection Cable(GYQFXTY)

(GYQFXTY)非金属中心管式防雷防鼠光缆

Description 产品描述

The fibres, single-mode or multi-mode, are positioned in a loose tube mode of the high modulus PETG. The tubes are filled with a water-resistant filling compound. Over the tube, water-blocking material is applied to keep the cable watertight. And wrapping of fibre reinforced plastic (FRP) bars. The cable is completed with a polyethylene (PE) sheath.

GYQFXTY光缆结构是将单模光纤或多模光纤套入由高模量的聚脂材料做成的松套管中,套管内填充防水化合物。松套管外加阻水材料以保证光缆的纵向渗水,松套管外FRP杆绕包后护套成缆。

Characteristics 产品特点

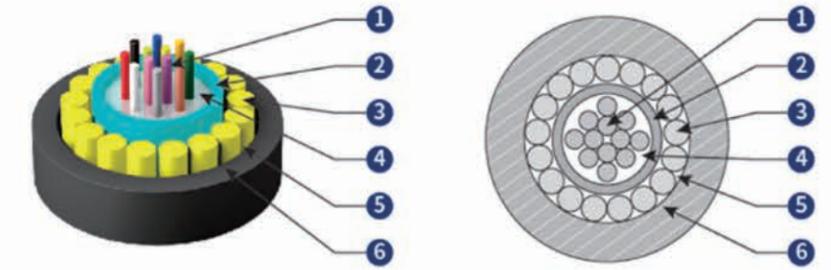
- Accuracy controlling excess fibre length provides a highly mechanical and temperature performance to the cable
精确控制的光纤余长保证了光缆具有的良好机械性能和温度性能
- High strength loose tube that is hydrolysis resistant
松套管材料本身具有良好的耐水解性能和较高的强度
- Special tube filling compound ensure a critical protection of fibre
管内充以特种油膏,对光纤进行了关键性保护
- Highly Lateral pressure resistance and flexibility
良好的抗侧压性和柔软性
- A layer of wrapping FRP ensured the tensile strength of the cable, has a good protection to the loose tube
一层绕包FRP保证了光缆的拉伸强度,同时对松套管有较好的保护作用
- The outer sheath of polyethylene have a high UV-stabilized ability
聚乙烯(PE)护套具有很好的抗紫外线辐射性能
- Fully dielectric cable, during the installation and operation grounding is not needed, eliminates any electronic influence or cable
全介质光缆,不用接地,不会遭雷击

Standards 产品标准

GYQFXTY cable complies with Standard YD/T 769-2010 as well as IEC 60794-1.
GYQFXTY光缆符合YD/T 769-2010标准和IEC 60794-1标准

Structure Drawing 结构图

1. Fibre
光纤
2. Loose Tube
松套管
3. FRP
FRP
4. Tube Filling Material
束管填充物
5. Cable Filling Material
缆芯填充物
6. PE Outer Sheath
PE外护套



Specifications 参数

Technical Parameters 结构参数

Cable Type 光缆型号 (Increased by 2 fibres) (以2纤递增)	Fibre Count 光纤数	Cable Weight (Ref) 参考光缆重量 (kg/km)	Tensile Strength 允许拉伸力 Long/Short term 长期/短期 (N)	Crush Resistance 允许压扁力 Long/Short term 长期/短期 (N/100mm)	Bending Radius 弯曲半径 Dynamic/Static 动态/静态 (mm)
GYQFXTY-2~12Xn	2~12	66	600/1500	300/1000	10D/20D
GYQFXTY-14~18Xn	14~24	79			
GYQFXTY-26~36Xn	26~36	86			

Storage/Operating Temperature: -40°C~+70°C
储存/使用温度: -40°C~+70°C

Optical Characteristics 光学特性

Fiber Type 光纤类型	Attenuation 衰减 (+20°C)				Bandwidth 带宽		Numerical Aperture 数值孔径	Cable Cut-off Wavelength λ _c 光缆截止波长
	@850nm	@1300nm	@1310nm	@1550nm	@850nm	@1300nm		
Unit	dB/km	dB/km	dB/km	dB/km	MHZ.km	MHZ.km	NA	nm
G.652			≤0.36	≤0.22	—	—	—	≤1260
G.655			≤0.40	≤0.23	—	—	—	≤1450
50/125μm	≤3.3	≤1.2	—	—	≥500	≥500	0.200±0.015	—
62.5/125μm	≤3.5	≤1.2	—	—	≥200	≥500	0.275±0.015	—

Note:
注意:

a. Suffix Xn denotes fibre type
型号的后缀Xn表示选用的光纤类型

b. The colour arrangements of fibre and tube are specified in the colour identification table
套管和光纤的颜色排列见色谱表

c. The cable shouldn't store in outdoor environment more than 6 months in order to keep the cable reel good state
光缆在露天环境中不要超过6个月,否则盘具可能会受损

Application: Duct/Aerial
适用: 管道、架空