

Unitube Non-armored Cable (GYXY) (GYXY)中心管式非铠装光缆

Description 产品描述

The fibres, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. Over the tube, water-blocking material is applied to keep the cable watertight. Two parallel steel wires are placed at the two sides. The cable is completed with a polyethylene (PE) sheath.

GYXY光缆的结构是将250µm光纤套入高模量材料制成的松套管中,松套管内填充防水化合物。松套管外加阻水材料以保证光缆纵向阻水,两侧放置两根平行钢丝后挤制聚乙烯护套成缆。

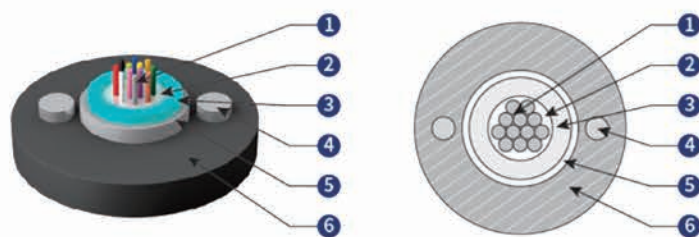
Characteristics 产品特点

- Good mechanical and temperature performance
具有很好的机械性能和温度特性
- 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
- Two parallel steel wires ensure tensile strength
两根平行钢丝保证光缆的抗拉强度
- PE sheath protects cable from ultraviolet radiation
PE护套具有很好的抗紫外辐射性能
- Small diameter, light weight and friendly installation
直径小、重量轻、容易敷设
- Long delivery length
较长的交货长度

Standards 产品标准

GYXY cable complies with Standard YD/T 769. GYXY光缆符合YD/T 769标准。

Structure Drawing 结构图



1. Fibre
光纤
4. Steel Wire
钢丝

2. Tube Filling Compound
套管填充物
5. Water-blocking Material
阻水材料

3. Loose Tube
松套管
6. PE Sheath
聚乙烯护套

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)
GYXY-2~12Xn	2~12	77	600/1500	300/1000	10D/20D
GYXY-14~24Xn	14~24	83			
GYXY-2~12Xn	2~12	104	1000/3000		
GYXY-14~24Xn	14~24	109			

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
光缆在露天的环境中不要超过6个月,否则盘具可能会受损

Application: Aerial
适用: 架空