

Unitube Non-metallic Air-blowing Micro Cable

微型非金属气吹光缆

Description 产品描述

The fibres, 250µm, either of single-mode or multimode type, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A layer of aramid yarn is applied around the cable core as additional strength member. Then, the cable is completed with a black or color HDPE sheath.

微型非金属光缆是将250µm单模或多模光纤套入高模量材料制成的松套管中,套管内填充无毒、无害的防水化合物,松套管外绞合非金属加强元件芳纶,再挤制黑色或彩色高密度聚乙烯(HDPE)护套成缆。

Characteristics 产品特点

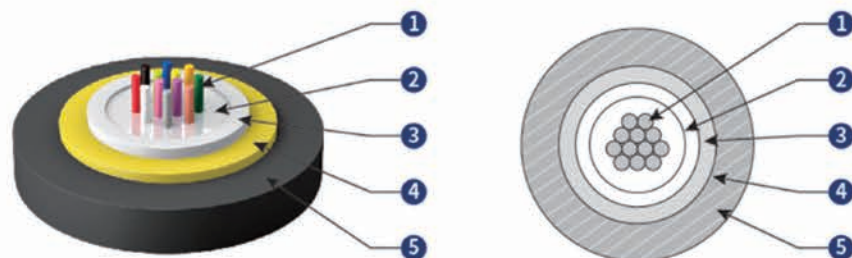
- Non-metal design can prevent the cable from radio interference and magnetic wave interference
非金属的结构设计有效防止射频干扰和电磁波干扰
- Specially designed compact structure is good at preventing loose tubes from shrinking
特别设计的紧密的光缆结构,有效防止套管回缩
- Aramid yarn ensures good performance of tensile strength
芳纶加强元件使光缆具有优异的抗拉性能
- Loose tube filling compound ensure good moisture resistance performance
松套管内填充特种油脂,充分保证了光缆的防水性能
- Good flexibility
具有良好的柔软性
- High dense fibre packed, small diameter and light weight, it's the better option for blowing installation process
光纤组装密度高,缆径小,重量轻,是气吹敷设方式的更佳选择

Applications 产品应用

Adapted to backbone network, access network and fibre to the home
利用微管资源,特别适用于骨干网、接入网和光纤到户

Structure Drawing 结构图

1. Fibre
光纤
2. Tube Filling Compound
套管填充物
3. Loose Tube
松套管
4. Aramid Yarn
芳纶
5. 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 Diameter 光缆直径 (mm)	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)
GCYXTY-2~12Xn	2~12	3.5±0.3	12	60/150	150/450	10D/20D
GCYXTY-14~24Xn	2~12	3.5±0.3	12	60/150	150/450	10D/20D

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