

## Access Building Cable (ABC-I)

(ABC-I) 接入光缆

### Description 产品描述

The fibres,  $\Phi 250\mu\text{m}$ , are positioned in a loose tube made of high modulus plastic. The tubes are filled with a water-resistant filling compound. The tube is covered with a layer of glass yarn as strength member. The cable is completed with a LSZH (LSZH, Low smoke, Zero halogen, Flame-retardant) material Jacket.

ABC-I接入光缆的结构是将 $\Phi 250\mu\text{m}$ 光纤套入高模量材料制成的松套管中,松套管内填充防水材料。松套管外外包覆一层玻璃纤维加强元件,最外挤制一层低烟无卤材料(LSZH,低烟、无卤、阻燃)护套而成。

### Characteristics 产品特点

- Good mechanical and temperature performance  
具有良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
- Crush resistance and flexibility  
良好的抗压性和柔软性
- Glass yarn strength member ensure tensile strength  
玻璃纤维加强元件保证光缆的抗拉强度
- Small diameter, light weight and friendly installation  
直径小、重量轻、容易敷设

### Standards 产品标准

Comply with Standard YD/T 1770, ICEA-596, GR.409, IEC 60794, IEC 332-1 or IEC 332-3C.

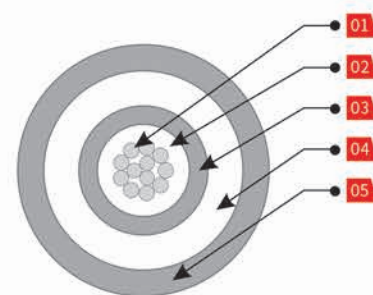
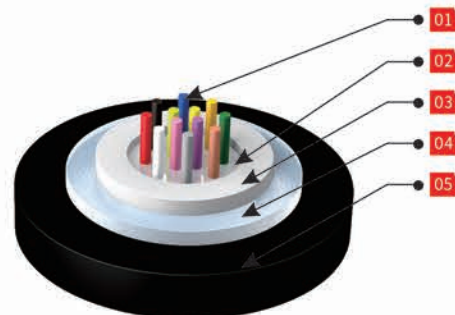
满足YD/T 1770, ICEA-596, GR-409, IEC 60794, IEC 332-1或IEC 332-3C等标准。

### Structure Drawing 结构图

#### Structure Drawing

结构图

- 01 Fibre 光纤
- 02 Tube Filling Compound 套管填充物
- 03 Loose Tube 松套管
- 04 Glass Yarn 玻璃纤维
- 05 LSZH Jacket LSZH护套



## Specifications 参数

### Technical Parameters 结构参数

Cable Model 光缆型号	Fiber Count 光纤数	Cable Weight (Ref) 光缆参考重量 (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)
ABC-I-ZK-2~12Xn	2~12	55.5	200/660	300/1000	10D/20D
ABC-I-ZK-14~24Xn	14~24	67	200/660	300/1000	10D/20D

### Optical Characteristics 光学特性

Fiber Type 光纤类型	Attenuation 衰减				OFL 满注入带宽	Effective Mode Bandwidth 有效模式带宽	10 Gbit/s Ethernet Link Length 10G以太网链路长度	Minimum Bend Radius 最小弯曲半径
	1310/1550nm		850/1300nm					
Condition 条件	Typical Value 典型值	Maximum Value 最大值	Typical Value 典型值	Maximum Value 最大值	850/1300nm	850nm	850nm	/
Unit 单位	dB/km	dB/km	dB/km	dB/km	MHZ.km	MHZ.km	m	mm
G652D	0.36/0.22	0.5/0.4	—	—	—	—	—	16
G657A1	0.36/0.22	0.5/0.4	—	—	—	—	—	10
G657A2	0.36/0.22	0.5/0.4	—	—	—	—	—	7.5
50/125	—	—	3.0/1.0	3.5/1.5	$\geq 500/500$	—	—	30
62.5/125	—	—	3.0/1.0	3.5/1.5	$\geq 200/500$	—	—	30
Om3	—	—	3.0/1.0	3.5/1.5	$\geq 1500/500$	$\geq 2000$	$\leq 300$	30
Om4	—	—	3.0/1.0	3.5/1.5	$\geq 3500/500$	$\geq 4700$	$\leq 550$	30

Transportation/ Storage/Operating Temperature:  $-20^{\circ}\text{C}$ ~ $+60^{\circ}\text{C}$ , Installation Temperature:  $-5^{\circ}\text{C}$ ~ $+50^{\circ}\text{C}$

运输/储存/使用温度:  $-20^{\circ}\text{C}$ ~ $+60^{\circ}\text{C}$ , 安装温度:  $-5^{\circ}\text{C}$ ~ $+50^{\circ}\text{C}$