

## 接入光缆(ABC-IIS) Access Building Cable

### 产品描述 Description

ABC-IIS接入光缆的结构是将Φ250μm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。松套管外包裹一层芳纶加强元件,再用一层双面涂塑钢带(PSP)纵包,最外挤制一层低烟无卤材料(LSZH,低烟、无卤、阻燃)护套而成。

The fibers, Φ250μm, 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 aramid yarn as strength member, then wrapped with a layer of PSP longitudinally. The cable is completed with a LSZH (LSZH, Low smoke, Zero halogen, Flame-retardant) material Jacket.

### 产品特点 Characteristics

- 具有良好的机械性能和温度特性  
 Good mechanical and temperature performance
- 松套管材料本身具有良好的耐水解性能和较高的强度  
 High strength loose tube that is hydrolysis resistant
- 良好的抗压性和柔软性  
 Crush resistance and flexibility
- 芳纶加强元件保证光缆的抗拉强度  
 Aramid yarn strength member ensure tensile strength
- 双面涂塑钢带(PSP)提高光缆的抗透潮能力  
 PSP enhancing moisture-proof
- 直径小、重量轻、容易敷设  
 Small diameter, light weight and friendly installation
- 较长的交货长度  
 Long delivery length

### 产品标准 Standards

满足YD/T 1258.4-2005; IEC 60332-1和IEC 60332-3C等标准。  
 Comply with Standard YD/T 1258.4-2005, IEC 60332-1 and IEC 60332-3C.

| 光缆型号<br>Cable Code | 光纤数<br>Fiber Count | 光缆直径<br>Cable Diameter mm | 中心束管直径<br>Unitube Diameter mm | 光缆重量<br>Cable Weight kg/km | 允许拉伸力<br>Tensile Strength 长期/短期<br>Long/Short term N | 允许压扁力<br>Crush Resistance 长期/短期<br>Long/Short term N/100mm | 弯曲半径<br>Bending Radius 动态/静态<br>Dynamic/Static mm |
|--------------------|--------------------|---------------------------|-------------------------------|----------------------------|--|--|---|
| ABC-IIS-ZK-02~12Xn | 2~12               | 8.1±0.5                   | 3.0                           | 85                         | 600/1000   | 300/1000   | 20D/10D   |
| ABC-IIS-ZK-14~24Xn | 14~24              | 9.6±0.5                   | 4.0                           | 116                        | 600/1000   | 300/1000   | 20D/10D   |

注: 弯曲半径中D表示光缆直径; Note: The symbol D in bending radius column represents cable diameter.

### 光学特性 Optical Characteristics

| 衰减 Attenuation (+20℃)   | @ 850 nm  | 50 / 125 μm      | 62.5 / 125 μm    | G.652        | G.655        |
|---|-----------|------------------|------------------|--------------|--------------|
|   |           | @ 1300 nm        | ≤ 3.5 dB/km      | ≤ 3.5 dB/km  |              |
| 带宽 (A级) Bandwidth (Class A)   | @ 850 nm  | ≥ 600 MHz·km     | ≥ 200 MHz·km     |              |              |
|   | @ 1300 nm | ≥ 1200 MHz·km    | ≥ 600 MHz·km     |              |              |
| 数值孔径 Numerical Aperture   |           | 0.200 ± 0.015 NA | 0.275 ± 0.015 NA |              |              |
| 光缆截止波长 Cable Cut-off Wavelength λ <sub>cc</sub>                               |           |                  |                  | ≤ 1260 nm    | ≤ 1450 nm    |
| 温度附加衰减 Δα (-20℃~+60℃)<br>Attenuation at temperature cycling<br>Δα (-20℃~+60℃) | @ 1300 nm | ≤ 0.50 dB/km     | ≤ 0.50 dB/km     |              |              |
|   | @ 1550 nm |                  |                  | ≤ 0.20 dB/km | ≤ 0.20 dB/km |

运输/储存/使用温度: -20℃~+60℃, 安装温度: -5℃~+50℃  
 Transport/Storage/Operating Temperature: -20℃~+60℃, Installation Temperature: -5℃~+50℃

注: 可根据客户需求提供其它芯数光缆。另外ABC-IIS型光缆结构与ABC-IS光缆结构区别仅是芳纶纱代替玻璃纱。  
 Note: Other fiber-count cables available on request. In addition, the difference between ABC-IIS and ABC-IS is that ABC-IS uses glass yarn but ABC-IIS use aramid yarn.

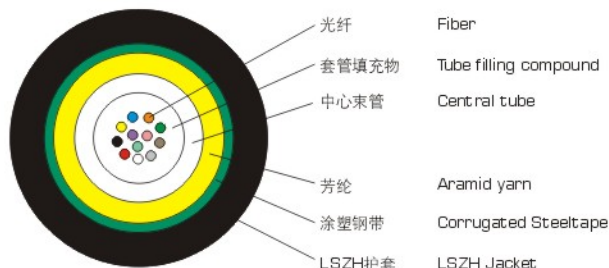
### 订货信息 Order Information

ABC-IIS-Z□-□□  
 1 2 3

1 护套颜色 Sheath Colour  
 K-黑色 Black

● 芯数 Fiber Counts  
 02~24

3 光纤类型 Fiber Type  
 B1-G.652  
 B1.3-G.652.D  
 B4-G.655  
 E1-EasyBand® G.657  
 E1.1-EasyBand® Plus G.657  
 A1-50/125 μm  
 A1b-62.5/125 μm  
 A1H-HiBand® 50/125  
 A1bH-HiBand® 62.5/125  
 M1-MaxBand® 150  
 M3-MaxBand® 300  
 M5-MaxBand® 550



### 交货长度 Delivery Length

推荐长度: 2000m; 可按客户要求提供其它长度。  
 Standard Reel Length: 2000m; Other lengths available on request.