

## FTTH室内光缆(FTTH-II)

### FTTH Indoor Cable

#### 产品描述 Description

FTTH室内光缆是将光通信单元处于中心, 两侧放置两根平行非金属加强元件(FRP), 最后, 挤制黑色或彩色低烟无卤护套成缆。

The optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then, the cable is completed with a black or color LSZH sheath.

#### 产品特点 Characteristics

- 特种耐弯光纤, 提供更大的带宽, 增强网络传输特性;  
Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property;
- 两根平行FRP使光缆具有良好的抗压性能, 保护光纤;  
Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber;
- 光缆结构简单, 重量轻, 实用性强;  
Simple structure, light weight and high practicability;
- 独特的凹槽设计, 易剥离, 方便接续, 简化安装和维护;  
Novel flute design, easily strip and splice, simplify the installation and maintenance;
- 低烟无卤阻燃护套, 环保。  
Low smoke, zero halogen and flame retardant sheath.

#### ■ 光学特性 Optical Characteristics

|   |          | G.652          | G.655          | 50 / 125 μm      | 62.5 / 125 μm    |
|---|----------|----------------|----------------|------------------|------------------|
| 衰减 Attenuation (+20°C)                          | @ 850 nm |                |                | ≤ 3.5 dB / km    | ≤ 3.5 dB / km    |
|   | @1300 nm |                |                | ≤ 1.5 dB / km    | ≤ 1.5 dB / km    |
|   | @1310 nm | ≤ 0.45 dB / km | ≤ 0.50 dB / km |                  |                  |
|   | @1550 nm | ≤ 0.30 dB / km | ≤ 0.50 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      |                  |                  |

#### ■ 结构参数 Technical Parameters

| 光缆型号<br>Cable Type | 芯数<br>Fiber Count | 光缆尺寸<br>Cable Size<br>mm | 光缆重量<br>Cable Weight<br>kg / km | 允许拉伸力<br>Tensile Strength<br>长期 / 短期<br>Long / Short Term<br>N | 允许压扁力<br>Crush Resistance<br>长期 / 短期<br>Long / Short Term<br>N / 100mm | 弯曲半径<br>Bending Radius<br>静态 / 动态<br>Static / Dynamic<br>mm |
|--------------------|-------------------|--------------------------|---------------------------------|--|--|---|
| FTTH-IIQ-FK-1Xn    | 1                 | (2.0±0.2) × (3.0±0.2)    | 8                               | 30 / 60  | 300 / 1000   | 15 / 30   |
| FTTH-IIQ-FK-2Xn    | 2                 | (2.0±0.2) × (3.4±0.2)    | 8.5                             | 30 / 60  | 300 / 1000   | 15 / 30   |
| FTTH-IIJ-FK-1Xn    | 1                 | (2.0±0.2) × (3.8±0.2)    | 9                               | 30 / 60  | 300 / 1000   | 15 / 30   |
| FTTH-IID-FK-4Xn    | 4                 | (2.0±0.2) × (4.0±0.2)    | 10                              | 30 / 60  | 300 / 1000   | 15 / 30   |

储存、使用温度: -20°C至+60°C  
Storage / Operating Temperature: -20°C to +60°C

#### 订货信息 Order Information

FTTH-II□-F□-□□

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- |   |  |  |
|---|--|--|
| ① 光通信单元 Optical Fiber Unit<br>G-光纤 Fiber<br>J-紧套光纤 Tight buffer fiber<br>D-光纤带 Fiber ribbon | ② 护套颜色 Sheath Colour<br>K-黑色 Black<br>③ 芯数 Fiber Count<br>1~12 | ④ 光纤类型 Fiber Type<br>B1-G.652<br>B1.8-G.652.D<br>B4-G.655<br>E1-EasyBand®G.657<br>E1.1-EasyBand®Plus G.657<br>A1-50/125 μm<br>A1b-62.5/125 μm<br>A1H-HiBand®50/125<br>A1bH-HiBand®62.5/125<br>M1-MaxBand®150<br>M3-MaxBand®300<br>M5-MaxBand®550 |
|---|--|--|



光缆结构图  
Cable Structure

#### 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.

<http://www.huipeng.com.cn/>

免费400咨询电话: **400-880-1981**

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