



# 产品规格书 Product Specification

| 光缆截面 Cable Cross Section  |                                      |                                  |
|---|--------------------------------------|----------------------------------|
| <p>扎纱<br/>外护套 PE Outer Jacket<br/>撕裂绳 Rip cord<br/>加强件 FRP<br/>阻水纱 Water blocking tape<br/>松套管 Loose Tube<br/>着色涂覆光纤 Colored Coating Fiber<br/>纤膏 Filling Gel</p> <p>光缆结构图 Profile View</p> |                                      |                                  |
| 光纤参数 Fiber Parameter  |                                      |                                  |
| 芯不圆度  | Core noncircularity                  | ≤ 6%                             |
| 包层直径  | Cladding diameter                    | 125.0 ± 0.7 μm                   |
| 芯/包同心度误差  | Core/cladding concentricity error    | ≤ 0.6 μm                         |
| 包层不圆度   | Cladding noncircularity              | ≤ 1.0%                           |
| 涂层直径  | Coating diameter                     | 245 ± 10 μm                      |
| 涂层/包层同心度误差  | Coating/cladding concentricity error | ≤ 12 μm                          |
| 衰减系数  | Attenuation coefficient              | 1310nm ≤ 0.35dB/km               |
|   |                                      | 1550nm ≤ 0.21dB/km               |
| 零色散斜率   | Zero dispersion slope                | ≤ 0.092ps/(nm <sup>2</sup> · km) |
| 零色散波长   | Zero dispersion wavelength           | 1300~1324nm                      |
| 偏振模色散   | Polarization mode dispersion         | ≤ 0.20 ps/√km                    |
| 模场直径  | Mode field diameter                  | 1310nm: 9.0 ± 0.4 μm             |
| 截止波长 (λ <sub>c</sub> )  | Cut-off wavelength                   | 1170~1330nm                      |
| 色散系数  | Chromatic dispersion                 | 1288~1339nm ≤ 3.4ps/(nm · km)    |
|   |                                      | 1550nm ≤ 18 ps/(nm · km)         |
|   |                                      | 1625nm ≤ 22 ps/(nm · km)         |



产品型号 ProductType: ASU-6/8/12B1.3-100M

光缆标准 Cable Standard: YD/T 1155

光纤标准 Fibre Standard: GB/T 2001

| 光缆结构 Cable Structure    |                                |                   |                        |
|-------------------------|--------------------------------|-------------------|------------------------|
| 光缆跨距                    | SPAN                           | 100M-120M         |                        |
| 光纤型号                    | Type of fiber                  | G.652D            |                        |
| 光缆芯数                    | No. of fiber                   | 6                 | 8 12                   |
| 套管数量                    | No. of Tube                    | 1                 | 1 1                    |
| 每管芯数                    | No. of fiber per tube          | 6                 | 8 12                   |
| 光纤颜色                    | Fiber Color                    | 蓝、橙、绿、棕、灰、白、      | 蓝、橙、绿、棕、灰、白、红、黑、紫、粉、青绿 |
| 加强件直径                   | Reinforcement diameter FRP     | 1.8 mm            |                        |
| 套管直径                    | Tube diameter                  | 2.0mm             |                        |
| 护套厚度                    | Sheath thickness               | 1.5 ± 0.1mm       |                        |
| 光缆外直径                   | Cable diameter                 | 7.0 ± 0.2mm       |                        |
| 光缆截面                    | Cable sectional area           | 65mm <sup>2</sup> |                        |
| 光缆重量                    | Cable weight                   | 42kg/km           |                        |
| 光缆材质                    | Cable material                 | PE/black          |                        |
| 光缆性能 Cable performances |                                |                   |                        |
| 长期拉力                    | Long term tension              | 1200N             |                        |
| 短期拉力                    | Short term tension             | 1700N             |                        |
| 长期压扁力                   | Long term crush                | 300N              |                        |
| 短期压扁力                   | Short term crush               | 1000N             |                        |
| 最小静态弯曲半径                | Minimum statics bending radius | 10D               |                        |
| 最小动态弯曲半径                | Minimum dynamic bending radius | 20D               |                        |
| 安装温度                    | Installing temperature         | -10°C ~ +40°C     |                        |
| 运行温度                    | Operating temperature          | -40°C ~ +60°C     |                        |

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