



Jiangsu TX Plastic Optical Fibers Co., Ltd

Product Specifications

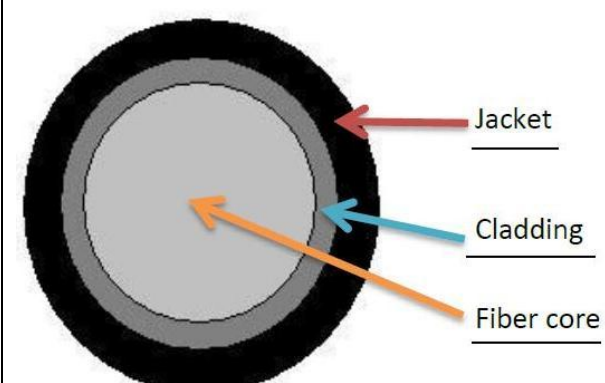
Side Glow Optic Fiber

TX-SCC-6000/8.8T

**Add: Unit A2, North Bali Industrial Zone, Jingang Road, Bali Town,
Economic Development Area, Yangzhou City 225131, Jiangsu Province, China**

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|------------------------------|------------------------|--|
| Product Data: | |  |
| 1. Fiber core material | MMA Polymer | |
| 2. Cladding material | PTFE | |
| 3. Jacket material | Transparent PVC | |
| 4. Minimum bending radius | 6 x diameter | |
| 5. Wavelength range | 400-700nm | |
| 6. Interior Refractive Index | 1.475 | |

Specifications:

| Item | | Unit | Index | Testing method |
|-----------------------|-----------------------------|--------|---------------|------------------|
| Structural Parameters | Core diameter | mm | 6 | JIS C 6863 |
| | Outer diameter | mm | 8.8 | |
| | Cladding non-circularity | % | ≤6 | |
| | Length | m/roll | 100 | |
| Optical Properties | Attenuation | dB/km | ≤700 | 650nm JIS C 6863 |
| | Numerical Apertures | / | 0.68 | |
| | Attenuation (95% RH) | dB/km | 300-350 | |
| Mechanical Properties | Repeated bending (200times) | dB | Loss added ≤2 | JIS C 6861 |
| | Tensile strength | N | 70 | |
| | Twisting (5times) | dB | Loss added ≤2 | |
| | Impacting (0.4N/meter) | dB | Loss added ≤2 | |

Operating temperature: - 40°C to 70°C

Recommended Storage temperature: -10°C to 35°C