

Optical Fiber Tool**TECHNICAL DATA SHEET****Heat Shrink (4 CM) 40mm Optic Fiber**

Heat Shrink (4 CM) 40mm Optic Fiber

Product Description

The 40 mm Fiber Optic Heat Shrink Protection Sleeve is designed to protect fusion splice joints in optical fiber networks. It provides excellent mechanical reinforcement, environmental sealing, and long-term protection against moisture, dust, vibration, and mechanical stress.

The sleeve consists of a cross-linked polyolefin heat-shrink tube, a stainless-steel strength member, and a hot-melt adhesive liner that securely seals and reinforces the fusion splice after heating. With a compact 40 mm length, it is ideal for high-density splice trays and fiber distribution enclosures where installation space is limited.



Product Features

- Compact **40 mm** design for high-density splice trays
- Protects fusion splices from mechanical damage
- Stainless steel reinforcing rod for added strength
- Hot-melt adhesive provides excellent sealing
- Transparent outer tube for easy splice inspection
- High mechanical strength after shrinking
- Waterproof and moisture-resistant
- Excellent resistance to corrosion and aging
- Easy installation using standard fusion splice heaters
- Suitable for indoor and outdoor fiber optic applications

Applications

- Fiber Optic Fusion Splicing
- FTTH Networks
- FTTx Networks
- Optical Distribution Frames (ODF)
- Fiber Optic Splice Closures
- Fiber Distribution Boxes
- Telecommunications Networks
- CATV Systems
- Data Centers

Product Specifications

Parameter	Specification
Product Type	Fiber Optic Heat Shrink Protection Sleeve
Sleeve Length	40 mm
Reinforcement Material	Stainless Steel Rod
Outer Tube Material	Cross-linked Polyolefin
Inner Adhesive	EVA Hot-Melt Adhesive
Sleeve Color	Transparent
Installation Method	Heat Shrinking

Physical Specifications

Item	Specification
Length	40 mm
Reinforcement Rod	Stainless Steel
Outer Tube	Transparent Polyolefin
Structure	Heat Shrink Tube + Adhesive + Steel Rod

Mechanical Performance

Parameter	Specification
Tensile Strength	High
Compression Resistance	Excellent
Impact Resistance	High
Moisture Protection	Excellent
Corrosion Resistance	Excellent

Environmental Performance

Parameter	Specification
Operating Temperature	-45°C to +100°C
Shrinking Temperature	110°C to 120°C
Storage Temperature	-40°C to +80°C
Waterproof	Yes
UV Resistance	Excellent

Compatible Fiber Types

- Single Mode Fiber (OS1 / OS2)
- Multi-Mode Fiber (OM1 / OM2 / OM3 / OM4 / OM5)
- 250 µm Fiber
- 900 µm Buffered Fiber
- Standard Fusion Splices