

Optical Fiber

TECHNICAL DATA SHEET

**Heat Shrink Fiber Optic Fusion
Splice Protection Sleeves**



Heat Shrink 6 cm Fiber Optic Fusion Splice

Protection Sleeves

Product Description:

This product is a type of protection component which is designed to preserve complete environmental and mechanical integrity of coating or buffer of optical fiber after splicing.

Construction:

The sleeve consists of three layers:

1. Outer Tube: Cross-linked polyolefin heat-shrink tubing.
2. Inner Tube: Hot-melt EVA adhesive tube for sealing.
3. Strength Member: Stainless steel rod to prevent fiber bending and breakage.

Application:

Used to protect fusion-spliced optical fibers by restoring mechanical strength and providing environmental protection against moisture, dust, and bending.

Features:

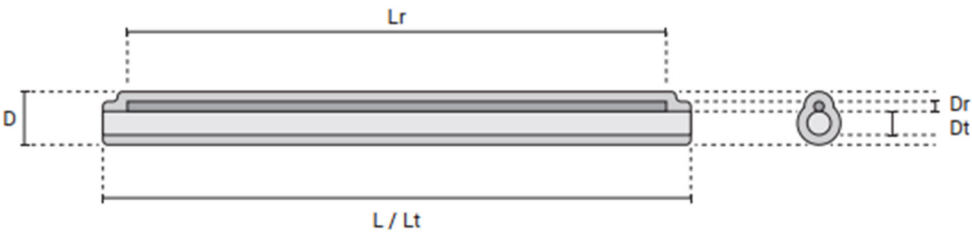
- Suitable for all standard fusion splicers.
- Transparent sleeve allows visual inspection during heating.
- Provides excellent moisture and mechanical protection.
- Chamfered stainless-steel rod ends reduce fiber damage risk.
- Packing: 100 pcs per bag (Others for special order).
- RoHS compliant.

Technical Specifications:

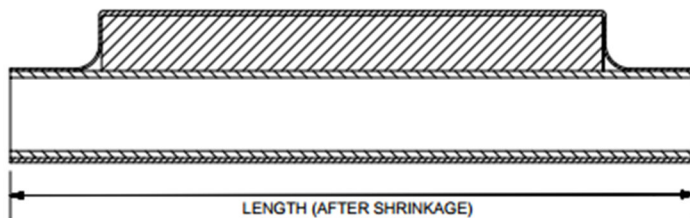
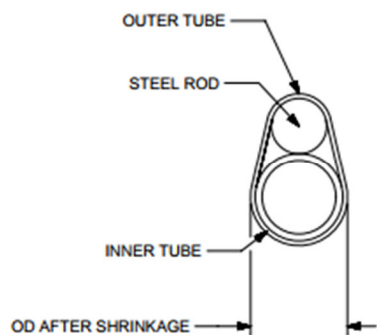
Parameter	Value
Total Length	60 mm
Fiber Type	250 μ m / 900 μ m fibers
Steel Rod Length	55 mm
Steel Rod Diameter	1.0 mm
Inner Diameter (Before Shrink)	0.5 – 1.2 mm
Outer Diameter (After Shrink)	2.0 – 2.6 mm
Operating Temperature	-55°C to +100°C (typical)
Material	Polyolefin + EVA + Stainless Steel
Color	Transparent/Clear

Dimensions:

Model	Splice Protector Length (L)	Splice Protector Diameter (D)	Steel Rod Length (Lr)	Steel Rod Diameter (Dr)	Fusion Tube Inner Diameter (Dt)	Fusion Tube Length (Lt)
60 mm	60	2.3 $\pm$ 1	55	1	1.3	60
45 mm	45	2.3 $\pm$ 1	40	1	1.3	45



L	Length after recovery	Lr	Rod length
D	Diameter after recovery	Dt	Fusion tube inner diameter
Dr	Steel rod diameter	Lt	Fusion tube length



OUTER TUBE (AFTER SHRINKAGE)

OD	LENGTH
2.3±0.1	40±0.1
2.4±0.1	45±0.1
2.6±0.1	60±0.1