

Fiber Optic Accessories

Heat Shrink Tube

Overview

LongXing optical fiber heat shrink tubes consist of a rod of reinforcing the splice, hot fusion tubing and cross-linked polyolefin. To rebuild the coating of fiber to provide mechanical strength at the fusion joint area and keep optical transmission properties. A specially designed cross-linked Clear Heat Shrinkable tubing, with Clear fusion tubing liner, providing protection to fiber optical splices. Available with single fiber and ribbon fiber. Customized designs are available upon request.

Features

- Consist of cross-linked polyolefin, hot fusion tubing and stainless reinforced steel rod (quartz or ceramic).
- Keep optical transmission performance of optical fiber.
- Provide safe protection to optical fiber splicing.
- Easily use and avoid any damage to the optical fiber during installation.
- Sealing structure provides good performance to the splicing in the environment with temperature and humidity.
- Moisture resistant for environmental protection
- Clear sleeve make it easy to detect splice before shrinkage
- Easily use and avoid any damages to the optical fiber during installation
- Customized color optical fiber splice protector is very convenience for installation



Main Technical Specifications

Performance	Test Method	Typical Data
Working Temperature	IEC216	-55℃~100℃
Tensile Strength	ASTMD2671	18MPa
Ultimate Elongation	ASTMD2671	700%
Density	ISOR1183D	0.94g/cm3
Dielectric Strength	IEC243	25KV/mm
Volume Resistance	IEC243	10 ¹⁵ Ω.cm
Dielectric Constant	IEC243	2.5max
Longitudinal Change	ASTMD2671	±5%
Partial wall	ASTM D2671	10%

Detailed Technical Specifications (Large)

Model	Splice Protection Sleeves (After Shrinking)		Fusion Tubing		Steel Rod		Packing
Large Optic Fiber Protection HST	Outer Diameter(± 0.1 mm)	Length	Inner Diameter	Length	Outer Diameter	Length	(Pcs/Bag)
HSTL-60	3.0	60	1.3	60	1.5	55	100
HSTL-55	3.0	55	1.3	55	1.5	50	100
HSTL-50	3.0	50	1.3	50	1.5	45	100
HSTL-45	3.0	45	1.3	45	1.5	40	100
HSTL-40	3.0	40	1.3	40	1.5	35	100

Detailed Technical Specifications (Standard)

Model	Splice Protection Sleeves (After Shrinking)		Fusion Tubing		Steel Rod		Packing
Standard Optic Fiber Protection HST	Outer Diameter(± 0.1 mm)	Length	Inner Diameter	Length	Outer Diameter	Length	(Pcs/Bag)
HSTS-60	2.6	60	1.3	60	1.2	55	100
HSTS-55	2.6	55	1.3	55	1.2	50	100
HSTS-50	2.6	50	1.3	50	1.2	45	100
HSTS-45	2.6	45	1.3	45	1.2	40	100
HSTS-40	2.6	40	1.3	40	1.2	35	100



Detailed Technical Specifications (Small)

Model		Splice Protection Sleeves (After Shrinking)		Fusion Tubing		Steel Rod		Packing
Small Optic Fiber Protection HST	Outer Diameter(±0.1m m)	Length		Inner Diameter	Length	Outer Diameter	Length	(Pcs/Bag)
	HSTSM-60	2.4	60	1.3	60	1.0	55	100
	HSTSM-55	2.4	55	1.3	55	1.0	50	100
	HSTSM-50	2.4	50	1.3	50	1.0	45	100
	HSTSM-45	2.4	45	1.3	45	1.0	40	100
	HSTSM-40	2.4	40	1.3	40	1.0	35	100

Detailed Technical Specifications (Micro)

Model		Splice Protection Sleeves (After Shrinking)		Fusion Tubing		Steel Rod		Packing
Micro Optic Fiber Protection HST	Outer Diameter(±0.1m m)	Length		Inner Diameter	Length	Outer Diameter	Length	(Pcs/Bag)
	HSM-40	1.4	40	0.5	40	0.5	39	100
	HSM-25	1.4	25	0.5	25	0.5	24	100
	HSM-18	1.4	18	0.5	18	0.5	17	100
	HSM-15	1.4	15	0.5	15	0.5	14	100
	HSM-10	1.4	10	0.5	10	0.5	9	100

