

Fiber Optic Fusion Splice Protection Sleeves



Model: HSFP

Description:

Consist of cross linked polyolefin, Hot fusion tubing and Stainless Reinforcing Steel Rod which keep optic transmission properties of optical fiber and enhance the protection to optical fiber splices. Easily operating to the optical fiber during installation without damaging and clear sleeve make it easy to detect splice before shrinkage. Sealing structure make the splice free from influence of temperature and humidity in special environment.

- >Working Temperature : -45 ~ 110 °C
- >Shrinking temperature range: 120 °C
- >Standard color: Clear
- >Other 12 colors available: White, Blue, Grey, Yellow, Brown, Black, Orange, Pink, Red, Cyan, Green, Purple

Technical Data

Properties	Test Method	Typical Data
Tensile Strength (MPa)	ASTM D 2671	≥18 Mpa
Ultimate Elongation (%)	ASTM D 2671	700%
Density (g/cm ²)	ISO R1183D	0.94 g/cm ²
Dielectric Strength (KV/mm)	IEC 243	20KV/mm
Dielectric Constant	IEC 243	2.5max
Longitudinal Change (%)	ASTM D 2671	±5%

Product Specifications (mm)

Single Fiber(mm)

Model	Splice Protection Sleeves (After Shrinking)		Fusion Tubing		Steel Rod	
	Outer Diameter (± 0.2)	Length (± 1)	Inner Diameter (± 0.1)	Length (± 1)	Outer Diameter (± 0.1)	Length (± 1)
HSFP-H-61x1.5x3.0	3.0	61	1.5	61	1.5	55
HSFP-H-45x1.5x3.0	3.0	45	1.5	45	1.5	40
HSFP-H-40x1.5x3.0	3.0	40	1.5	40	1.5	35
HSFP-H-25x1.5x3.0	3.0	25	1.5	25	1.5	20
HSFP-H-61x1.2x2.6	2.6	61	1.5	61	1.2	55
HSFP-H-45x1.2x2.6	2.6	45	1.5	45	1.2	40
HSFP-H-40x1.2x2.6	2.6	40	1.5	40	1.2	35
HSFP-H-25x1.2x2.6	2.6	25	1.5	25	1.2	20
HSFP-H-61x1.0x2.4	2.4	61	1.5	61	1.0	55
HSFP-H-45x1.0x2.4	2.4	45	1.5	45	1.0	40
HSFP-H-40x1.0x2.4	2.4	40	1.5	40	1.0	35
HSFP-H-30x1.0x2.4	2.4	30	1.5	30	1.0	25
HSFP-H-25x1.0x2.4	2.4	25	1.5	25	1.0	20
HSFP-H-40x0.8x2.2	2.2	40	1.5	40	0.8	40
HSFP-H-25x0.8x2.2	2.2	25	1.5	25	0.8	25
HSFP-H-18x0.8x2.2	2.2	18	1.5	18	0.8	18
HSFP-H-40x0.5x1.3	1.3	40	0.35	40	0.5	40
HSFP-H-25x0.5x1.3	1.3	25	0.35	25	0.5	25
HSFP-H-18x0.5x1.3	1.3	18	0.35	18	0.5	18
HSFP-H-15x0.5x1.3	1.3	15	0.35	15	0.5	15
HSFP-E-61x1.5x3.0	3.0	61	1.5	61	1.5	55
HSFP-E-45x1.5x3.0	3.0	45	1.5	45	1.5	40
HSFP-E-40x1.5x3.0	3.0	40	1.5	40	1.5	35
HSFP-E-25x1.5x3.0	3.0	25	1.5	25	1.5	20
HSFP-E-61x1.2x2.6	2.6	61	1.5	61	1.2	55
HSFP-E-45x1.2x2.6	2.6	45	1.5	45	1.2	40
HSFP-E-40x1.2x2.6	2.6	40	1.5	40	1.2	35
HSFP-E-25x1.2x2.6	2.6	25	1.5	25	1.2	20
HSFP-E-61x1.0x2.4	2.4	61	1.5	61	1.0	55
HSFP-E-45x1.0x2.4	2.4	45	1.5	45	1.0	40
HSFP-E-40x1.0x2.4	2.4	40	1.5	40	1.0	35
HSFP-E-25x1.0x2.4	2.4	25	1.5	23	1.0	20
HSFP-E-40x0.8x2.2	2.2	40	1.5	40	0.8	40

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HSFP-E-25x0.8x2.2	2.2	25	1.5	25	0.8	25
HSFP-E-18x0.8x2.2	2.2	18	1.5	18	0.8	18

Notes: HSFP-H: High quality level (same as Tyco SMOUV)

HSFP-E: Economical Quality Level

Ribbon Fiber (mm)

Model	Splice Protection Sleeves (After Shrinking)		Fusion Tubing		Quartz or Ceramic Rod	
	Outer Diameter (± 0.2)	Length (± 0.8)	Width (± 0.1)	Height (± 0.1)	Width (± 0.1)	Height (± 0.1)
HSFP-C-4core	3.8	42	1.3	2.2	3.0	1.5
HSFP-2C-4core	4.6	42	1.3	2.2	3.0	1.5
HSFP-C-6core	3.8	42	1.5	2.7	3.0	1.5
HSFP-2C-6core	4.5	42	1.5	2.7	3.0	1.5
HSFP-C-8core	4.8	42	2.3	3.6	4.0	2.0
HSFP-2C-8core	5.5	42	2.3	3.6	4.0	2.0
HSFP-C-12core	4.9	42	2.5	3.8	4.0	2.0
HSFP-2C-12core	5.8	42	2.5	3.8	4.0	2.0
HSFP-Q-4core	3.8	42	1.3	2.2	3.0	1.5
HSFP-2Q-4core	4.6	42	1.3	2.2	3.0	1.5
HSFP-Q-6core	3.8	42	1.5	2.7	3.0	1.5
HSFP-2Q-6core	4.5	42	1.5	2.7	3.0	1.5
HSFP-Q-8core	4.8	42	2.3	3.6	4.0	2.0
HSFP-2Q-8core	5.5	42	2.3	3.6	4.0	2.0
HSFP-Q-12core	4.9	42	2.5	3.8	4.0	2.0
HSFP-2Q-12core	5.8	42	2.5	3.8	4.0	2.0

Notes: HSFP-C: with Ceramic rod

HSFP-2C: with 2pcs Ceramic rod

HSFP-Q: with Quartz rod

HSFP-2Q: with 2pcs Quartz rod