

Fusion Splice Protection Sleeve

Fusion splice protection sleeve are offered with stainless steel rod for single fiber or ceramic component as strength member for ribbon fiber at 45mm or 60mm standard length or customized.

Fusion splice protection sleeves provide mechanical reinforcement at joint port and maintain the optic transmission properties of the fiber cable, offer good protection from mechanical damage, pollution, and weather conditions.

- ✧ Providing protection for fused junction between two spliced optical fibers as a substitute for the original fiber cable jacket.
- ✧ Providing a degree of rigidity preventing the spliced area from bending or flexing.
- ✧ Consist of cross linked polyolefin, hot fusion tubing and stainless reinforced steel rod or with ceramic rod, quartz rod
- ✧ Different color can be available , clear is standard
- ✧ Single fiber and Ribbon Fiber protection sleeve available
- ✧ Working Temperature:-45~110 degree
- ✧ Shrinking temperature range: 120 degree
- ✧ Quality level upto TYCO SMOUV or economical quality for option.



Technical details:

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 Option Single Fiber(mm)

Model	Splice sleeve(after shrinking)		Fusion Tubing		Steel Rod	
	Outer dia(±0.2)	Length (±1)	Inner Diameter(±0.1)	Lengt h(±1)	Outer Diameter(±0.1)	Length(±1)
61x1.5x3.0	3.0	61	1.5	61	1.5	55
45x1.5x3.0	3.0	45	1.5	15	1.5	40
40x1.5x3.0	3.0	40	1.5	40	1.5	35
25x1.5x3.0	3.0	25	1.5	25	1.5	20
61x1.2x2.6	2.6	61	1.5	61	1.2	55
45x1.2x2.6	2.6	45	1.5	15	1.2	40
40x1.2x2.6	2.6	40	1.5	40	1.2	35
25x1.2x2.6	2.6	25	1.5	25	1.2	20
61x1.0x2.4	2.4	61	1.5	61	1.0	55

45x1.0x2.4	2.4	45	1.5	15	1.0	40
40x1.0x2.4	2.4	40	1.5	40	1.0	35
25x1.0x2.4	2.4	25	1.5	25	1.0	20
40x0.8x2.2	2.2	40	1.5	40	0.8	40
25x0.8x2.2	2.2	25	1.5	18	0.8	18

Optical Ribbon Fiber Splicing Sleeve Model (mm)

Model	Splice sleeve(after shrinking)		Fusion Tubing		Quartz or Ceramic Rod	
	Outer dia(± 0.2)	Length (± 0.8)	Width(± 0.1)	Height(± 0.1)	Width(± 0.1)	Height(± 0.1)
C-4Core	3.4	42	1.3	2.2	3.0	1.5
2C-4Core	4.0	42	1.3	2.2	3.0	1.5
C-6Core	3.8	42	1.8	2.8	3.0	1.5
2C-6Core	4.5	42	1.8	2.8	3.0	1.5
C-8Core	4.8	42	2.4	3.4	4.0	2.0
2C-8Core	5.5	42	2.4	3.4	4.0	2.0
C-12Core	4.9	42	2.4	3.5	4.0	2.0
2C-12Core	5.8	42	2.4	3.5	4.0	2.0
Q-4Core	3.8	42	1.3	2.2	3.0	1.5
2Q-4Core	4.6	42	1.3	2.2	3.0	1.5
Q-6Core	3.8	42	1.8	2.8	3.0	1.5
2Q-6Core	4.5	42	1.8	2.8	3.0	1.5
Q-8Core	4.8	42	2.4	3.4	4.0	2.0
2Q-8Core	5.5	42	2.4	3.4	4.0	2.0
Q-12Core	4.9	42	2.4	3.5	4.0	2.0
2Q-12Core	5.8	42	2.4	3.5	4.0	2.0

C: with Ceramic rod
 2C: with 2pcs Ceramic Rod
 Q: with Quartz rod
 2Q: with 2pcs Quartz rod.

Customized fiber optic splice protection sleeve is available. Please contact us for more details.