

Fiber Fusion Protection Sleeves

Description

Fiber Protection sleeve is used for protecting and supporting the fusion splice point. Single fiber to maximum 12 fibers protection sleeves are available from E-Pphotics. The outer jacket of the sleeve is made of polyolefin while the inner tube is made of EVA. The minimum shrinking temperature is 100 °C.

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

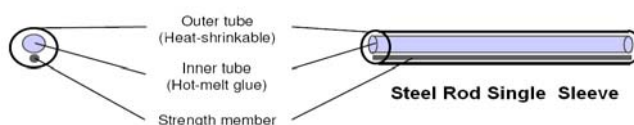
Technical Data

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

Operating Temperature :

-45 – 100 °C

★Single Fiber Fusion Protection Sleeve



Shrinking Temperature Range:

90 - 110 °C

I 、 Stainless Steel Rod Type

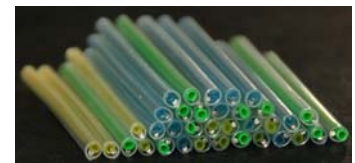
- **Strength Member:** Stainless Steel Rod



Part No.	Steel Rod O.D.*Length	Fusion Tube I.D.*Length	Heat Shrink Tube Length	Device O.D. (after shrink)
60190501	0.5±0.05 * 19±1mm	0.5±0.1 * 19±1mm	19±1mm	1.6±0.1mm
60200501	0.5±0.05 * 20±1 mm	0.5±0.1 * 20±1 mm	20±1 mm	1.5±0.1 mm
60250501	0.5±0.05 * 25±1mm	0.5±0.1 * 25±1mm	25±1mm	1.6±0.1mm
60260501	0.5±0.05 * 26±1mm	0.5±0.1 * 25±1mm	25±1mm	1.5±0.1mm
60300501	0.5±0.05 * 30±1mm	0.5±0.1 * 30±1mm	30±1mm	1.6±0.1mm
60301201	1.2±0.05 * 30±1mm	1.3±0.1 * 30±1mm	30±1mm	2.5±0.1mm
60350501	0.5±0.05 * 35±1mm	0.5±0.1 * 35±1mm	35±1mm	1.6±0.1mm
60350702	0.7±0.05 * 35±1mm	1.3±0.1 * 34±1mm	34±1mm	1.9±0.1mm
60400705	0.7±0.05 * 40±1mm	1.2±0.1 * 40±1mm	40±1mm	1.9±0.1mm
60400801	0.8±0.05 * 40±1mm	1.3±0.1 * 40±1mm	40±1mm	2.2±0.1mm
60400806	0.8±0.05 * 40±1mm	1.1±0.1 * 40±1mm	40±1mm	2.1±0.1mm
60401001	1.0±0.05 * 36±1mm	1.4±0.1 * 40±1mm	40±1mm	2.4±0.1mm
60401201	1.2±0.05 * 40±1mm	1.1±0.1 * 40±1mm	40±1mm	2.5±0.1mm
60401505	1.5±0.05 * 36±1mm	1.4±0.1 * 36±1mm	40±1mm	3.1±0.1mm
60451205	1.2±0.05 * 40±1mm	1.3±0.1 * 45±1mm	45±1mm	2.7±0.1mm
60451505	1.5±0.05 * 40±1mm	1.4±0.1 * 40±1mm	45±1mm	3.1±0.1mm
60451201	1.2±0.05 * 45±1mm	1.3±0.1 * 45±1mm	45±1mm	2.5±0.1mm
60541201	1.2±0.05 * 50 ±1mm	1.3±0.1 * 54±1mm	54±1mm	2.5±0.1mm
60541501	1.5±0.05 * 50 ±1mm	1.3±0.1 * 54±1mm	54±1mm	3.0±0.1mm
60601005	1.0±0.05 * 56±1mm	1.3±0.1 * 60±1mm	60±1mm	2.5±0.1mm
60611201	1.2±0.05 * 56±1mm	1.3±0.1 * 61±1mm	61±1mm	2.5±0.1mm
60601505	1.5±0.05 * 56±1mm	1.3±0.1 * 60±1mm	60±1mm	2.9±0.1mm

Note: Other length and sizes are available on request.

II、Steel Rod Colorful Single Type



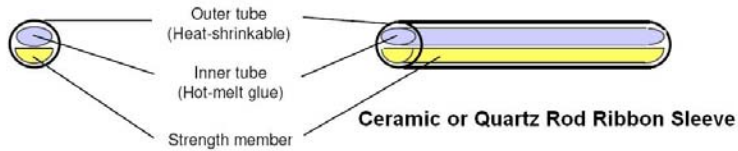
- Strength Member: Stainless Steel Rod

Part No.	Steel Rod O.D.*Length	Fusion Tube I.D.*Length	Heat Shrink Tube Length	Device O.D. (after shrink)
60250512B	0.5±0.05 * 25±1mm	0.4±0.1 * 25±1mm	25±1mm	1.2±0.1mm
60250513Y	0.5±0.05 * 25±1mm	0.4±0.1 * 25±1mm	25±1mm	1.2±0.1mm
60250514G	0.5±0.05 * 25±1mm	0.4±0.1 * 25±1mm	25±1mm	1.2±0.1mm

Note: Other colors are available on request.

2. Up to 12 colors. W for white, B for Blue, O for orange, G for green, N for Brown, S for Slate, R for red, K for Black, Y for yellow, V for violet, P for pink, A for Aqua.

★Ribbon Fiber Fusion Protection Sleeve



I、Single Ceramic Type

- Strength Member: Ceramic

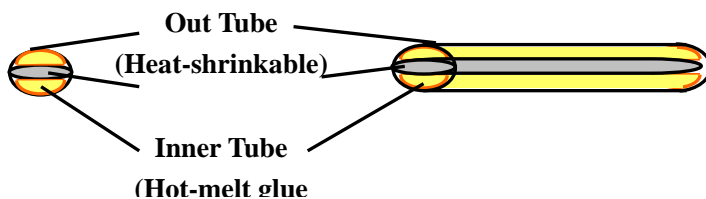


Part No.	Fiber Capacity	Ceramic Width*Height	Fusion Tube Width*Height	Heat Shrink Tube Length	Device's O.D.	
					Before shrink	shrink
61400401	4	3.05±0.1*1.4±0.1 mm	2.0±0.1*1.2±0.1 mm	40±1 mm	4.4±0.2 mm	3.4±0.2 mm
61400601	6	3.05±0.1*1.4±0.1 mm	3.0±0.1*1.3±0.1 mm	40±1 mm	4.7±0.2 mm	3.8±0.2 mm
61400801	8	3.95±0.1*1.95±0.1 mm	3.6±0.1*1.8±0.1 mm	40±1 mm	5.8±0.2 mm	4.6±0.2 mm
61401201	12	3.95±0.1*1.95±0.1 mm	4.5±0.1*2.5±0.1 mm	40±1 mm	6.2±0.2 mm	4.8±0.2 mm

Note: Other length and sizes are available on request.

II、Dual Ceramic Type

- Strength Member: Dual Ceramic

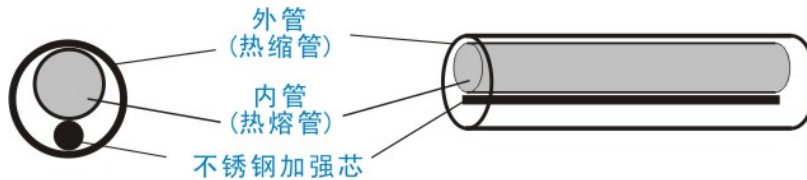


Part No.	Fiber Capacity	Ceramic Width*Height	Fusion Tube Width*Height	Heat Shrink Tube Length	Device's O.D.	
					Before shrink	after shrink
61400410	4	3.05±0.1*1.4±0.1 mm	2.0±0.1*1.2±0.1 mm	40±1 mm	4.8±0.2	3.8±0.2 mm
61400610	6	3.05±0.1*1.4±0.1 mm	3.0±0.1*1.3±0.1 mm	40±1 mm	5.0±0.2	4.2±0.2 mm
61400810	8	3.95±0.1*1.95±0.1 mm	3.6±0.1*1.8±0.1 mm	40±1 mm	5.8±0.2	4.6±0.2 mm
61401210	12	3.95±0.1*1.95±0.1 mm	4.5±0.1*2.5±0.1 mm	40±1 mm	6.6±0.2	5.5±0.2 mm

Note: Other length and sizes are available on request.

★FTTH Fiber Fusion Protection Sleeve

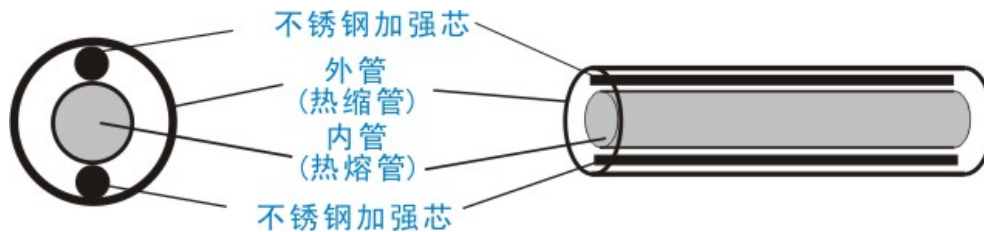
I、Single steel



- Strength Member: Stainless Steel Rod

Part No.	Steel Rod O.D.*Length	Fusion Tube I.D.*Length	Heat Shrink Tube Length	Device O.D. (after shrink)
64301001	1.0±0.05 * 26±1mm	3.6±0.1 * 30±1mm	30±1mm	5.8±0.1mm
64401001	1.0±0.05 * 36±1mm	3.6±0.1 * 40±1mm	40±1mm	5.8±0.1mm
64601001	1.0±0.05 * 56±1mm	3.6±0.1 * 60±1mm	60±1mm	5.8±0.1mm

II、Dual Steel



- Strength Member: Dual Stainless Steel Rod

Part No.	Steel Rod O.D.*Length	Fusion Tube I.D.*Length	Heat Shrink Tube Length	Device O.D. (after shrink)
64301002	2*1.0±0.05 * 26±1mm	2*3.6±0.1 * 30±1mm	30±1mm	6.5±0.1mm
64401002	2*1.0±0.05 * 36±1mm	2*3.6±0.1 * 40±1mm	40±1mm	6.5±0.1mm
64601002	2*1.0±0.05 * 56±1mm	2*3.6±0.1 * 60±1mm	60±1mm	6.5±0.1mm