

**CHOOSE
FIT[®]-SLV FOR:**

- Water Resistant Protection
- Heavy-Duty Splice Connection

**FIT[®]-SLV
APPLICATIONS:**

- Shield to Ground Terminations

CHARACTERISTICS

OPERATING TEMPERATURE:

- 105°C Series – 105°C
- 125°C Series – 125°C

COLOR DESCRIPTION:

- All Standard Packages: Transparent

PHYSICAL PROPERTIES:

- Tensile Strength: Ground Lead Breakage 25 Lb. (20 AWG)
- Solder Melt Temperature:
105°C Series: 145°C
125°C Series: 180°C

ELECTRICAL PROPERTIES:

- Dielectric Strength: 2000 Volt
- Insulation Resistance:
5 x 10⁹ ohms
- Voltage Drop: 2.5 Millivolts

SPECIFICATIONS

- MIL-F-14256, Type RMA Flux (105°C Series)
- QQ-S-571, Solder (125°C Series)

BRAID SHIELD GROUNDING SYSTEM

Alpha's **FIT**[®] Soldering Sleeve is a one piece, shield ground termination system featuring a strong, low-cost soldered connection which is completely insulated and encapsulated. It consists of a heat-shrinkable thermoplastic sleeve containing a precisely engineered preform of fluxed solder and thermoplastic inserts at each end. When placed over a cable shield and heated, the solder melts and flows, connecting the ground lead and shield. The outer sleeve shrinks and the thermoplastic inserts melt, encapsulating the termination. The result is a perfectly soldered, strain-relieved and environmentally protected termination.

Solder preform assures exact quantity of solder and flux, producing optimum solder connections for maximum strength, lowest voltage drop. Transparent heat-shrinkable insulating sleeve allows inspection of termination, provides long-life strain relief. Meltable inserts insure complete environmental protection.

- 105°C Series: Kynar^{*} insulating sleeve containing solder alloy preform of 51.2% Tin, 30.6% Lead, 18.2% Cadmium
- 125°C Series: Kynar^{*} insulating sleeve containing preform of SN-63 composed of 63% Tin, 37% Lead

105°C SERIES											
Alpha Part No.	E Max		Cable Dimensions F Min		L Nom.		Cable Dimensions A Min		B Min		Std. Package Pieces
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	
FIT-SLV-12	0.125	3,2	0.055	1,4	0.620	15,8	0.125	3,2	0.110	2,8	25, 100
FIT-SLV-14	0.200	5,1	0.100	2,5	0.620	15,8	0.200	5,1	0.180	4,6	25, 100
FIT-SLV-16	0.300	7,6	0.160	4,0	0.750	19,1	0.300	7,6	0.280	7,1	25, 100

125°C SERIES											
Alpha Part No.	E Max		Cable Dimensions F Min		L Nom.		Cable Dimensions A Min		B Min		Std. Package Pieces
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	
FIT-SLV-22	0.125	3,2	0.055	1,4	0.620	15,8	0.125	3,2	0.110	2,8	25, 100
FIT-SLV-24	0.200	5,1	0.100	2,5	0.620	15,8	0.200	5,1	0.180	4,6	25, 100
FIT-SLV-26	0.300	7,6	0.160	4,0	0.750	19,1	0.300	7,6	0.280	7,1	25, 100

*Kynar[®] is a registered trademark of ELF Atochem North America, Inc.

SELECTION GUIDE

- Measure maximum diameter (E) and minimum diameter (F) of combined cable and ground lead.
- Find appropriate Alpha Part No. and sleeve size in the cable and sleeve dimensions chart.

