

SIEMENS

Heat Shrinkable Airfield Lighting Kit

Compliance with Standards

UL: UL-15 Sealant Coated

Uses

Provides environmental sealing protection for the FAA L-823 style primary plug and receptacle connector used in the wiring of airfield lighting circuits.

Features

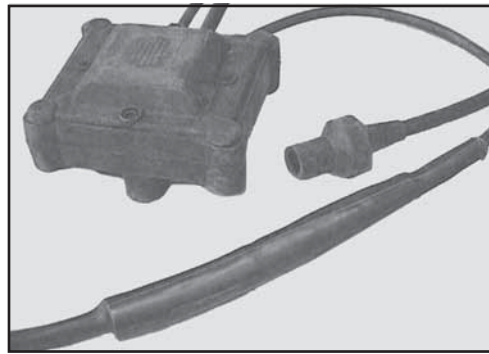
- **Mechanical Protection** – The high impact and abrasion resistance of SAS's Airfield Lighting Kit Sleeving provides excellent mechanical protection
- **Environmental Seal** – SAS's Airfield Lighting Kits (with sealant) are coated internally with a dual-purpose thermoplastic liner. When heated, the liner will encapsulate the connector/cable termination, providing the mechanical strength of a superior adhesive with the environmental sealing capability and corrosion protection of a high-quality mastic.
- **Easy Installation** – When heated above 275°F (135°C), the Airfield Lighting Kit Sleeving shrinks rapidly to seal and encapsulate electrical connections, providing a fast, simple and clean insulation system that can also be easily removed. Heat indicator lines disappear when the kits have been adequately heat recovered, preventing overheating or scorching during installation. Airfield Lighting Kits can be installed at temperatures as low as -104°F (-75.6°C).

Ordering Code

Airfield Lighting Kit Part Number	Expanded Internal Diameter (Min.) in (cm)	Recovered Internal Diameter (Max.) in (cm)	Recovered Wall Thickness (Nominal) in (cm)	Sleeve Length in (cm)	Sealant Length In Tubing
71A0070	1.5 (3.81)	0.375 (0.95)	0.126 (0.32)	16 (40.64)	Entire length
71A0052*	1.5 (3.81)	0.375 (0.95)	0.126 (0.32)	16 (40.64)	Three inches

Notes

- Custom-sized kits are available from the factory upon request.
- * Special Order



Features (Continued)

- **Permanent Environmental Seal** – Provides protection against water intrusion, abrasion damage, and accidental disconnection and added strain relief for the connector/cable assembly. The kit installs in minutes, providing a permanent environmental seal.
- **Easily Removed Waterproof Seal** – SAS's (UL-15) sealant-coated, 16-inch long heat shrink tubing has sealant coating the entire length of the tube (Part No. 71A0070). Blue thermochromatic heat indicator lines are also provided for ease of installation. Heat shrink tubing can also be supplied with three inches of sealant applied internally on each end of the sleeve (Part No. 71A0052). This allows for easy removal in the event of connector maintenance while providing a complete waterproof seal between cable and sleeve.

Packaging

In Cardboard Box:	3 x 18 x 3 in (7.6 x 45.7 x 7.6 cm)
Net Weight:	1.0 lb (0.46 kg)

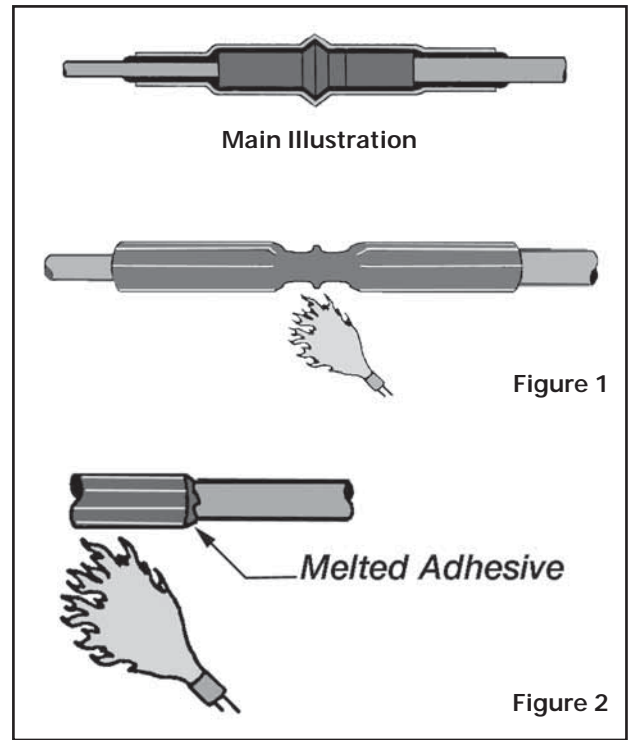
Installation

Prepare Cable

1. Wipe loose dirt and debris from cable.
2. Slide sleeve over cable before making electrical connection.
3. Mate connector sections per manufacturer's instructions.
4. Thoroughly clean all dirt and debris from the cable and connector for the entire length of the sleeve.

Apply Heat Shrinkable Sleeve

1. Preheat cable jacket.
2. Center sleeve over connector.
3. Begin shrinking at center, working toward both ends. A torch that produces a long, broad flame will blanket the sleeve with heat and shrink it quickly. Avoid using small concentrated flames. It is important that the heat shrink is not burned by the flame. A heat gun is the preferred heating method. The minimum shrink temperature is 275°F (135°C). Use a back-and-forth motion of the torch (see Figure 1).
4. Continue heating until shrinking is complete. Visual inspection indicates a smooth, tight fit and melted adhesive/sealant squeezed from the ends (see Figure 2).
5. Allow the heat shrink to cool before moving it.



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