

TRANSFORMERS & CABLES

PRK

Primary Connector Kits



Compliance with standards

- FAA:** AC 150/5345-26 (L-823) current edition
ICAO: Aerodrome Design Manual Part 5, Electrical System

Uses

The PRK Series Connector Kit is a field-assembled primary connector kit designed to create a detachable, watertight connection. It can be used as a splice between series airfield lighting cables or to connect to the primary molded connectors of a series isolation transformer. These PRK connectors ensure quick, secure, and reliable connections for airfield series circuits.

Single-pole connector kits for unscreened cable

FAA L-823, Class B, Style 3 plug and Style 10 receptacle

Single-pole connector kits for screened cable

FAA L-823, Class B, Style 3 plug and Style 10 receptacle

Features

- Ergonomic shape and design provides enhanced grip and easy installation and removal.
- Complete range of primary connector kits for all common primary cable dimensions (conductor sizes and outer diameters).
- Superior mechanical design mates with all common airfield primary connector types.
- Isolation resistance up to 20 times better than thermosetting elastomeric materials.
- Dielectric strength 15% better than Neoprene.
- Water absorption factor 3 times lower than Neoprene and other thermosetting elastomeric materials.
- Excellent reliability and water resistance throughout the temperature range from -55°C to +55°C.
- Very good chemical resistance to most common airfield chemicals.
- Individual packaged kits include a male and female connector, instruction manual, and assembly materials.
- Tin plated copper contacts provide superior conductivity with enhanced protection against oxidation and corrosion.
- Annealed copper contactor ensures a strong, reliable crimp connection.
- Compatible with all primary FAA L-823 connectors.

Ordering Code

Cable Type
Insulation Outside Diameter
Wire Size (Stranded)

PRK 000000

Cable Type

- U = Unscreened)
S = Screened

Insulation Outside Diameter

- 1 = 8.0-11.5 mm (0.315-0.453 inch)
2 = 11.0-14.5 mm (0.433-0.571 inch)
3 = 14.0-18.5 mm (0.551-0.728 inch)

Wire Size (Stranded)

- A = 10 mm² (AWG 6)
B = 6 mm² (AWG 8)

Accessories

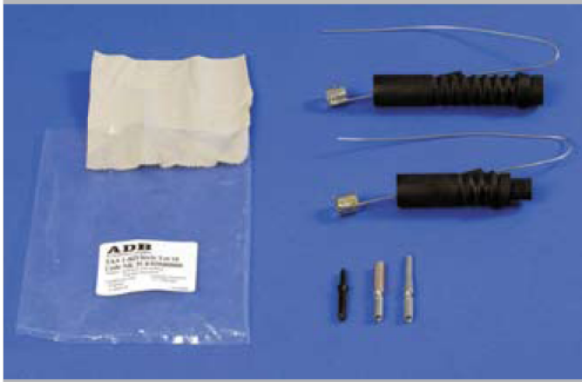
The following table includes the recommended crimping tool:

Name	Part Number
Crimping Tool Thomas & Betts TBM45S	TBM45S

PRK

Kit Contents

Kit Contents shown for screened primary connector kit.



Packaging

The PRK connector kit includes both male and female connectors, packaged in a plastic bag.

- Connector kit for unscreened cable: 100 gr. (0.22 lb)
- Connector kit for screened cable: 114 gr. (0.25 lb)

Dimensions (mm)

Dimensions for screened and unscreened primary connector kits.

