



# PK / SK

## PRIMARY & SECONDARY CONNECTOR KITS

### RELATED STANDARDS

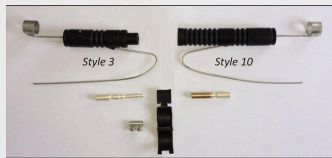
FAA AC 150/5345-26 L-823  
TSEK-459 Certified

### APPLICATIONS

- Primary connector kits are used for creating a detachable watertight connection between the series airfield lighting cable and the primary winding of the isolating transformer
- Secondary connector kits are used for creating a detachable watertight connection between the secondary series circuit cables and either the secondary winding of the series transformer or the light.

### IMPORTANT FEATURES

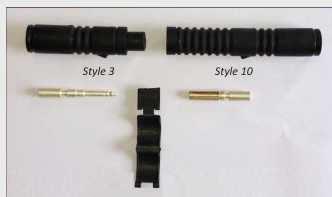
- TSEK 459 Certified
- Connector kits can be used for screened and unscreened cables
- Connector kits cover all currently available airfield lighting cables
- EMA produces all of the types of plug and receptacle styles in FAA AC 150/5345-26 specification
- Connectors are resistant to abrasive chemicals and all weather conditions
- Excellent water tightness
- Plugs and receptacles can also be factory molded to cables
- Primary connectors:
  - \_ Primary connector for screened/unscreened cables:
    - Primary thin connector:
      - For 10-14 mm outer diameter of the cable (PK-S1 / PK-U1)
    - Primary thick connector:
      - For 14-18 mm outer diameter of the cable (PK-S2 / PK-U2)
    - Primary big connector:
      - For 40 mm outer diameter of the cable (PK-S3 / PK-U3)
- Secondary connectors:
  - Single conductor (for one cable 2x2,5 mm<sup>2</sup> up to 2x4 mm<sup>2</sup>) (SK-1)
  - Two conductor (for two cables 1x2,5 mm<sup>2</sup> up to 2x4 mm<sup>2</sup>, each) (SK-2)



Primary connector kit for screened cable



Primary connector kit "PK-S1" in application



Primary connector kit for unscreened cable



Primary connector kit "PK-U1" in application

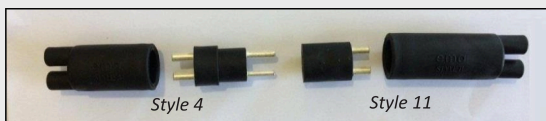
|                       | PRIMARY CONNECTOR KIT     |                      |
|-----------------------|---------------------------|----------------------|
|                       | FOR SCREENED CABLE        | FOR UNSCREENED CABLE |
| <b>GROUNDING WIRE</b> | YES                       | NO                   |
| <b>PLUG</b>           | Class B, Type I, Style 3  |                      |
| <b>PIN</b>            | Style 3, Plug             |                      |
| <b>RECEPTACLE</b>     | Class B, Type I, Style 10 |                      |
| <b>SOCKET</b>         | Style 10, Receptacle      |                      |



Secondary connector kit for single conductor



Secondary connector kit "SK-1" in application



Secondary connector kit for two conductor



Secondary connector "SK-2" kit in application



Secondary Circuit Y-Connector SCY-2PR



Secondary Circuit Y-Connector SCY-P2R

### ORDERING CODE FOR PRIMARY KITS

#### Connector Type

PK : Primary connector kit

#### Screen

S : Screened

U : Unscreened

#### Outer diameters

1: Cable 10-14 mm

2: Cable 14-18 mm

3: Cable 40 mm

#### Conductor size

1: 4-6 mm<sup>2</sup>2: 10 mm<sup>2</sup>3: 16 mm<sup>2</sup>

PK X X X

### SECONDARY CIRCUIT Y-CONNECTORS

|              | 2 PLUG+<br>1 RECEPTACLE          | 1 PLUG+<br>2 RECEPTACLE   |
|--------------|----------------------------------|---------------------------|
| CODE         | SCY-2PR                          | SCY-P2R                   |
| INTENDED USE | Allows adding extra transformer. | Allows adding extra load. |

Example: PK-S1 (Screened primary connector kit for the cables 10-14mm in outer diameter)

### ORDERING CODE FOR SECONDARY KITS

#### Connector Type

SK: Secondary connector kit

#### Cable Type

1: A two-core cable

2: 2 Single core cables

#### Conductor Dimension

1: 4-5,5 mm

2: 5,5-7 mm

SK X-X

### SECONDARY CONNECTOR KIT

|                               | TWO CORE CABLE             | TWO SINGLE CORE CABLES     |
|-------------------------------|----------------------------|----------------------------|
| PLUG (Housing & Insert)       | Class B, Type II, Style 5  | Class B, Type II, Style 4  |
| RECEPTACLE (Housing & Insert) | Class B, Type II, Style 12 | Class B, Type II, Style 11 |

Example: SK-2 (Secondary connector kit for two separated cables)