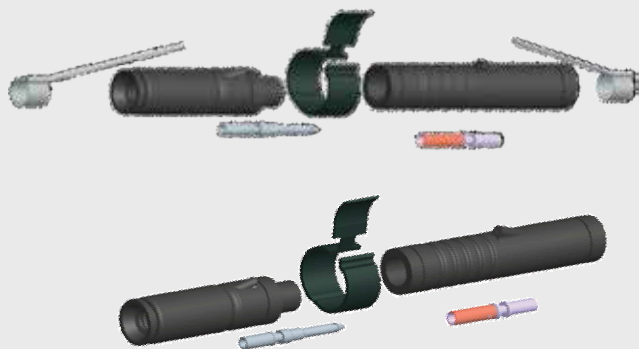


# PKE SPKE



## PRIMARY CONNECTOR KITS

### COMPLIANCES

FAA: AC150/5345-26

ICAO: Aerodrome Design Manual - Part 5

### APPLICATIONS

The connection of the series isolation transformers to the power cables requires primary connector kits that can be applied to cable ends in a few minutes by the electrical installer following simple illustrated instructions.

PKE primary kits are designed for 5 kV unshielded (not screened) cables and 25 A maximum current.

SPKE primary kits are designed for 5 kV screened cables and 25 A maximum current; they are equipped with integral shield connection with external wire to maintain the continuity of the shield across the cable connection or isolation transformer.

Metal plug and receptacle fittings are crimped onto the conductors and then inserted into the molded rubber bodies. Upon pushing the assemblies together, the circuit is ready for immediate use.

Primary kits provide both a plug and a receptacle. One kit is required for each transformer location for the ends of the series cable sections. The circuits may be readily disconnected for testing or for replacing faulty equipment and then quickly rejoined for continued use.

### FEATURES

- Quick on-site installation: easy application of the connective parts and of the metal ring for the continuity of the screen (when required), and fast insertion of the same into the bodies.
- In case of screened cable, the screen is made available outside of the housing through a lead of tinned copper, size 2.5 sqmm, 300 mm long, welded to the metal ring.
- On request, resin-type connector kit are available for heavy-duty use. These kits are supplied with a high performance PU resin to be poured inside the insulation body around the connective parts.

PKE - H6 - H6

Kit for Not-screened Cable: \_\_\_\_\_  
 PKE = Standard Primary Kit  
 PKRE = Primary Kit, Resin-type

Plug: \_\_\_\_\_  
 Cable Diameter (see Table 1)  
 Conductor Size (see Table 2)

Receptacle: \_\_\_\_\_  
 Cable Diameter (see Table 1)  
 Conductor Size (see Table 2))

SPKE - HE6 - HE6

Kit for Screened Cable: \_\_\_\_\_  
 SPKE = Standard Primary Kit  
 SPKRE = Primary Kit, Resin-type

Plug: \_\_\_\_\_  
 Outer Cable Diameter (see Table 1)  
 Cable Insulation Diameter (see Table 3)  
 Conductor Size (see Table 2)

Presa: \_\_\_\_\_  
 Outer Cable Diameter (see Table 1)  
 Cable Insulation Diameter (see Table 3)  
 Conductor Size (see Table 2)

Table 1		
Cable diameter (mm)		Code
minimum	maximum	
8.5	11.5	C
10.0	14.5	F
14.0	18.5	H
18.0	22.0	K

Table 2		
Conductor size		Code
sqmm	AWG	
6	8*	6
10**	6	4

\* up to 19 strands    \*\* 16 mmq stranded

Table 3		
Cable insulation diameter (mm)		Code
minimum	maximum	
5.0	7.5	A
7.0	10.5	B
10.0	13.5	E
12.5	16.0	G

Shipping Weights and Volumes			
	PKE	SPKE	PKRE SPKRE
Weight (kg)	0.110	0.130	0,320
Volume (m <sup>3</sup> )	0.0004	0.0004	0.0012

We reserve the right to change the design or specification data without notice

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