

# Primary Connector Kits

**Compliances:** FAA AC 150/5345-26: L-823  
 ICAO Annex 14  
 USAF Regulation 88-14  
 USN NAVAIR 51-50AAA-2  
 NATO STANAG 3316

**CKP**

## Applications

The connection of 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.

Metal plug and receptacle fittings are crimped onto the conductors and then inserted into the molded rubber housings. 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.

Secondary kits consist of either a plug only or a receptacle only. See page ET-8.2 for ordering information.

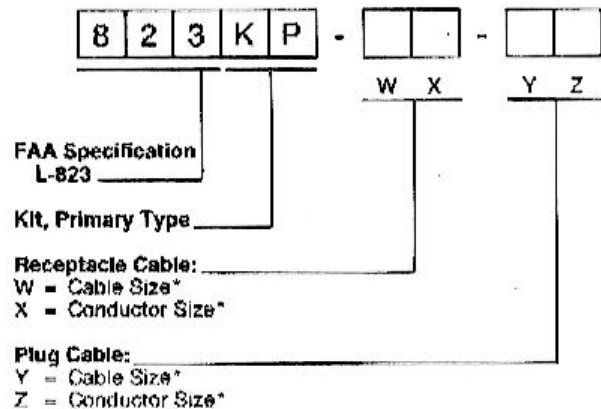
The circuits may be readily disconnected for testing or for replacing faulty equipment and then quickly rejoined for continued use.

### FAA APPROVAL

Connector kits will be supplied from approved sources as listed in FAA Form 8030-10. Primary kits are manufactured by Crouse-Hinds or Elastimold.

Note: Connector Kits designed for metal shielded cable are available. Contact Crouse-Hinds for information.

## Ordering Information



\* To specify the proper kit for an installation, select from the tables below the symbols which meet the requirements and substitute for (W, X) and (Y, Z) respectively.

**Example:**  
 A 823KP-D4-D4 is a connector kit for #8 stranded conductor and a cable diameter of .390 inch.

Cable Size Table				
Cable Outside Diameter				Symbol for W and Y
Minimum		Maximum		
mm	inches	mm	inches	
5.0	.195	6.6	.260	B
6.4	.250	8.4	.330	C
7.8	.320	10.9	.430	D
10.7	.420	14.3	.565	E
14.6	.575	19.9	.785	F
19.7	.775	25.0	.985	G

Molded rubber adapters are a part of kits B & C for small diameter cables.

Conductor Size Table				
Conductor Size				Symbol for X and Z
Concentric Stranded		Solid		
mm <sup>2</sup>	AWG	mm <sup>2</sup>	AWG	
4	10-12	6	8-10	6
6	8	10	6	4
10	6	16	4	3
16	4	-	-	2

Diameters vary along cable lengths. Take several measurements. Select a tight fit rather than a loose one.