

75Ω Positive-Locking Cable Plugs

ONLINE
CATALOG

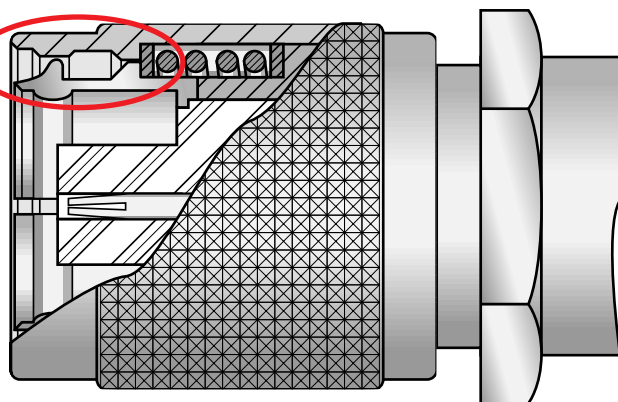
Introduction

AEP's positive-locking 75-ohm plugs use a spring-loaded collar that must be retracted before the connector will unmate. The bright nickel finish of the collar allows easy visual verification of their locked status after mating.

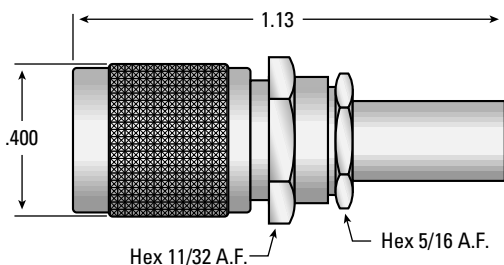
AEP positive-locking 75Ω plugs mate with any standard 75Ω snap-on jack. Standard body plating is gold with bright nickel finish on the locking collar, but they can be supplied with nickel-plated bodies as well. All have captivated contacts.

How They Work

The spring-loaded collar positions dual detents over the outer contact fingers when released, preventing the fingers from spreading. The plugs cannot be unmated unless the collar is fully retracted.



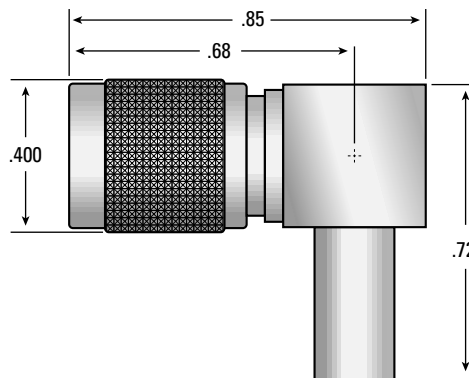
Straight Plug



Crimp type for flexible cable

AEP P/N
2802-2571-0XX*

Right Angle Plug



Crimp type for flexible cable

AEP P/N
2815-2521-0XX*

Substitute the appropriate cable group number for "XX" when ordering:

GROUP	CABLE TYPES	GROUP	CABLE TYPES	GROUP	CABLE TYPES
03	RG174, RG179, RG316, M17/113, M17/119, M17/172, M17/189	04	RG180, RG195, M17/95	07	RG59, RG62, M17/29, M17/30



APPLIED ENGINEERING PRODUCTS

(203) 776-2813 • FAX (203) 776-8294

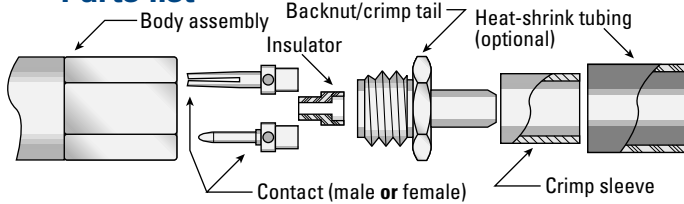
www.aepconnectors.com • aepsales@aepconnectors.com

Cable Assembly Instructions

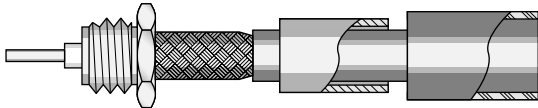
Crimp type connectors for flexible cable

Straight Connectors—Flexible Cable

Parts list

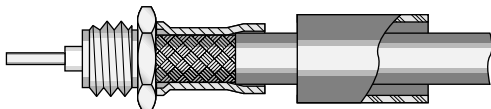


1



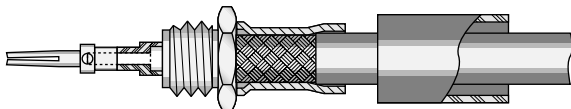
- Trim cable per trim code below; tin end of center conductor.
- Slide heat-shrink tubing and crimp sleeve over cable.
- Flare cable braid by rotating dielectric and slide cable into crimp tail.

2



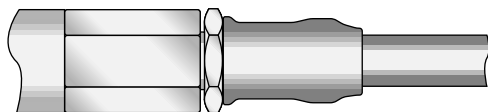
- Position cable so braid touches rear of back nut.
- Slide crimp sleeve forward to touch rear of back nut.
- Crimp braid with appropriate die size from chart below.

3



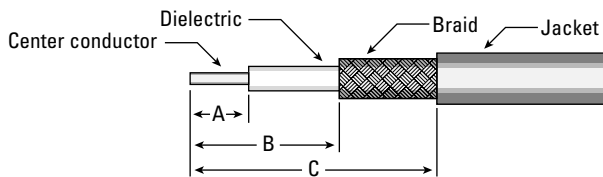
- Assemble insulator and contact onto cable dielectric and center conductor.
- Solder contact to center conductor by heating rear of contact (do not feed additional solder through inspection hole in contact).

4



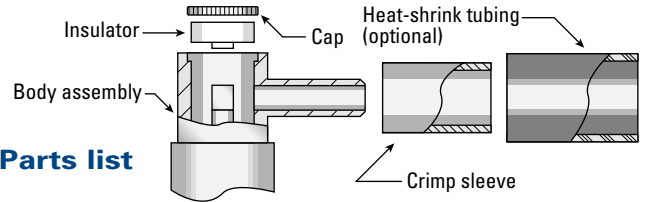
- Insert cable assembly into body assembly. Tighten to 90–100 inch-ounces torque. (Hold cable/hardware assembly stationary and rotate body when tightening.)
- Slide shrink tubing over crimp sleeve and shrink to fit.

Cable Trim Dimensions

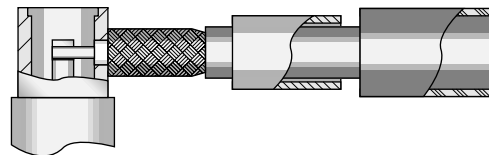


CONNECTOR TYPE	A	B	C
STRAIGHT CONNECTORS	.100	.475	.725
RIGHT ANGLE CONNECTORS	.075	.250	.500

Right Angle Connectors—Flexible Cable

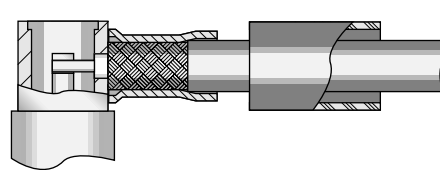


1



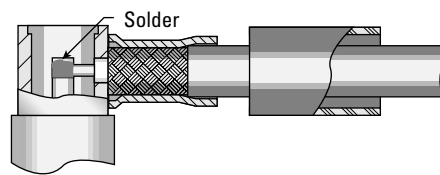
- Trim cable per trim code below; tin end of center conductor.
- Slide heat-shrink tubing and crimp sleeve over cable.
- Flare cable braid by rotating dielectric and slide cable into crimp tail.

2



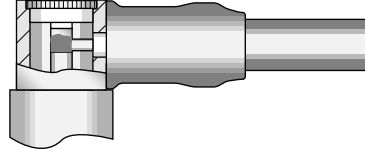
- Position cable so braid touches rear of body assembly.
- Slide crimp sleeve forward to touch rear of body assembly.
- Crimp braid with appropriate die size from chart below.

3



- Solder center conductor into notch in rear of contact with .025–.032" diameter chisel-tip soldering iron.
- Solder should cover center conductor, but not extend over top of notch in contact, or exceed contact diameter.

4



- Place insulator in body cavity, and press cap into place. Properly assembled cap will be slightly below end of body assembly.
- Slide shrink tubing over crimp sleeve and shrink to fit.

Crimp Die Sizes

CABLE GROUP	HEX DIE SIZE
03	.128
04	.156
07	.223



APPLIED ENGINEERING PRODUCTS

(203) 776-2813 • FAX (203) 776-8294

www.aepconnectors.com • aepsales@aepconnectors.com