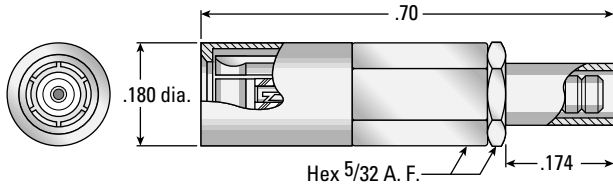


# SSMB Cable Connectors

Click on part number to go directly to cable assembly instructions

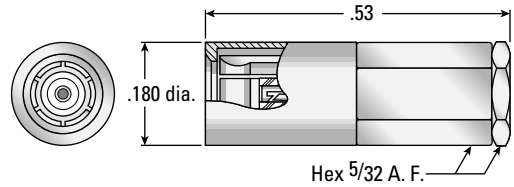
## Straight Cable Plugs

Crimp type for flexible cable



**AEP P/N**  
**7202-1572-0XX\***

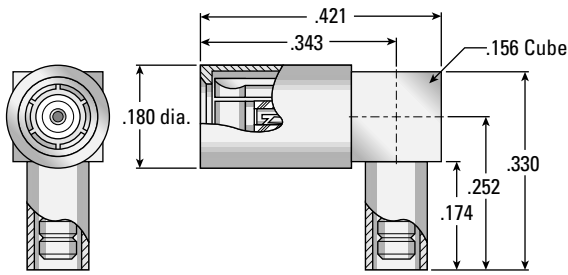
Solder type for semi-rigid cable



**AEP P/N**  
**7202-1542-0XX\***

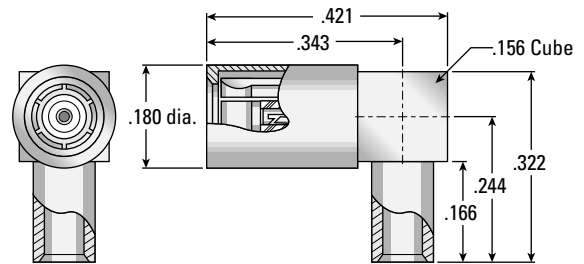
## Right Angle Cable Plugs

Crimp type for flexible cable



**AEP P/N**  
**7405-1521-0XX\***

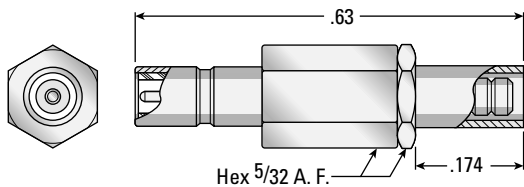
Solder type for semi-rigid cable



**AEP P/N**  
**7405-1561-0XX\***

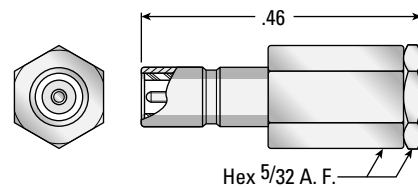
## Straight Cable Jacks

Crimp type for flexible cable



**AEP P/N**  
**7201-1571-0XX\***

Solder type for semi-rigid cable



**AEP P/N**  
**7201-1541-0XX\***

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

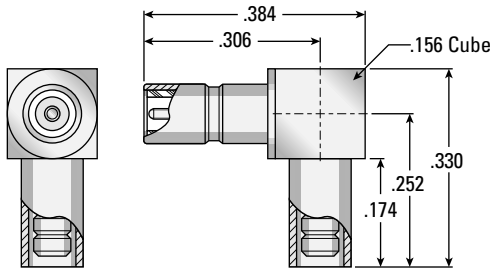
GROUP	CABLE TYPES	GROUP	CABLE TYPES	GROUP	CABLE TYPES
02	RG178, RG196, M17/93, M17/169	05	RG178DS, RG196DS	19	RG174DS, RG316DS, M17/151, M17/152, Times RD-316
03	RG174, RG179, RG316, M17/113, M17/119, M17/172, M17/189	10	.085" semi-rigid, RG405, M17/133	21	.056" semi-rigid
		11	.047" semi-rigid, M17/151		

# SSMB Cable Connectors

Click on part number to go directly to cable assembly instructions

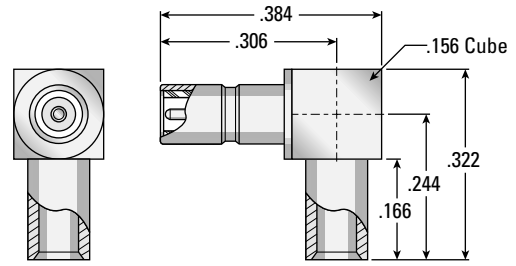
## Right Angle Cable Jacks

### Crimp type for flexible cable



AEP P/N  
7441-1521-0XX\*

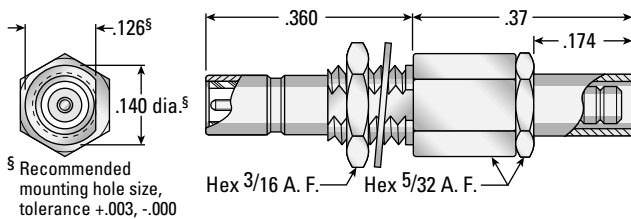
### Solder type for semi-rigid cable



AEP P/N  
7441-1561-0XX\*

## Straight Bulkhead Mounted Cable Jacks (.093" max panel thickness)

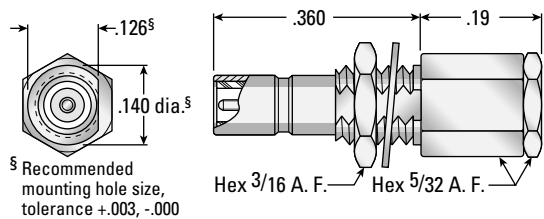
### Crimp type for flexible cable



§ Recommended mounting hole size, tolerance +.003, -.000

AEP P/N  
7203-1571-0XX\*

### Solder type for semi-rigid cable

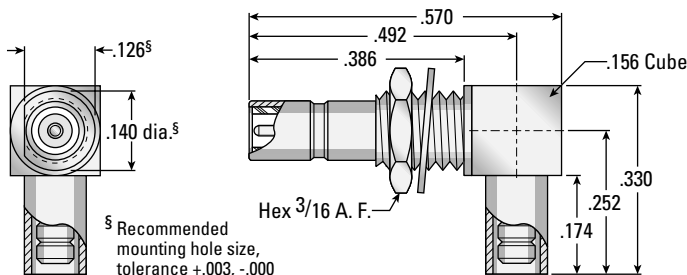


§ Recommended mounting hole size, tolerance +.003, -.000

AEP P/N  
7203-1541-0XX\*

## Right Angle Bulkhead Mounted Cable Jacks (.125" max panel thickness)

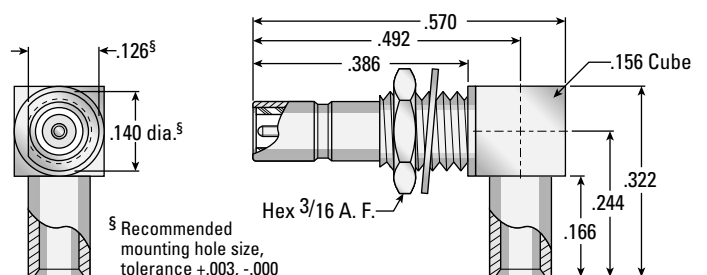
### Crimp type for flexible cable



§ Recommended mounting hole size, tolerance +.003, -.000

AEP P/N  
7406-1521-0XX\*

### Solder type for semi-rigid cable



§ Recommended mounting hole size, tolerance +.003, -.000

AEP P/N  
7406-1561-0XX\*

These connectors can be supplied with other mating end lengths to accommodate a wide range of panel thicknesses—contact factory for availability.

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

GROUP	CABLE TYPES	GROUP	CABLE TYPES	GROUP	CABLE TYPES
02	RG178, RG196, M17/93, M17/169	05	RG178DS, RG196DS	19	RG174DS, RG316DS, M17/151, M17/152, Times RD-316
03	RG174, RG179, RG316, M17/113, M17/119, M17/172, M17/189	10	.085" semi-rigid, RG405, M17/133	21	.056" semi-rigid
		11	.047" semi-rigid, M17/151		



APPLIED ENGINEERING PRODUCTS

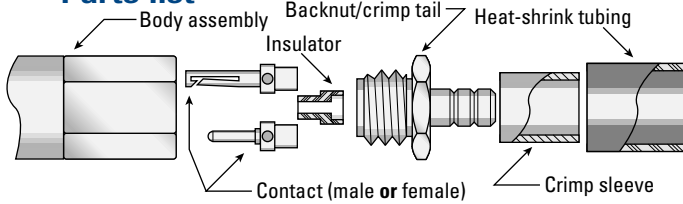
(203) 776-2813 • FAX (203) 776-8294

www.aepconnectors.com • aepsales@aepconnectors.com

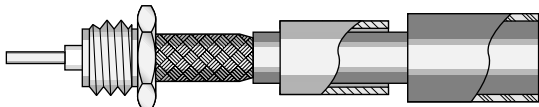
# Cable Assembly Instructions

## Straight Connectors—Flexible Cable

### Parts list

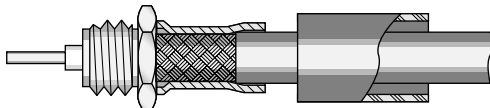


**1**



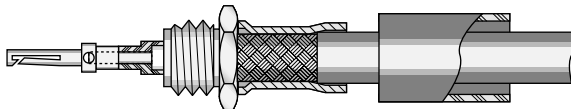
- Trim cable per trim code below; tin end of center conductor.
- Slide heat-shrink tubing and crimp sleeve over cable.
- Flare cable braid by rotating dielectric and slide cable into crimp tail.

**2**



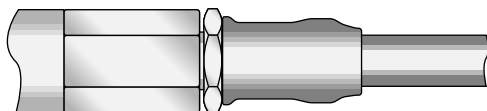
- Position cable so braid touches rear of back nut.
- Slide crimp sleeve forward to touch rear of back nut.
- Crimp braid with appropriate die size from chart below.

**3**



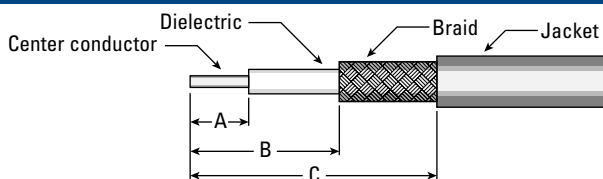
- Assemble insulator and contact onto cable dielectric and center conductor.
- Solder contact to center conductor by heating rear of contact (do not feed additional solder through inspection hole in contact).

**4**



- Insert cable assembly into body assembly. Tighten to 25–45 inch-ounces torque.
- Slide shrink tubing over crimp sleeve and shrink to fit.

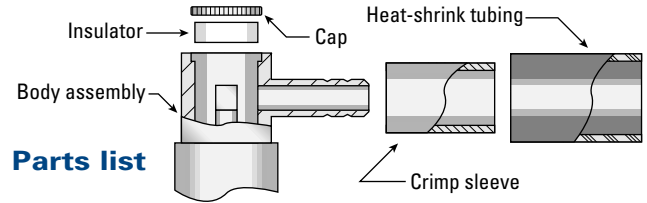
## Cable Trim Dimensions



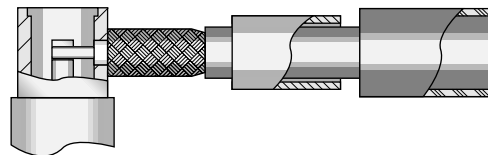
CONNECTOR TYPE	A	B	C
STRAIGHT CONNECTORS	.125	.300	.490
STRAIGHT P.C. BOARD TERMINATIONS	.060	.100	.230
RIGHT ANGLE CONNECTORS	.050	.100	.250

## Right Angle Connectors—Flexible Cable

### Parts list

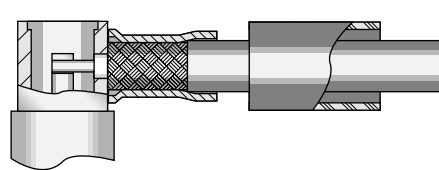


**1**



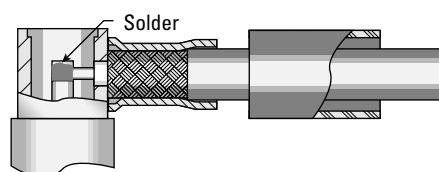
- Trim cable per trim code below; tin end of center conductor.
- Slide heat-shrink tubing and crimp sleeve over cable.
- Flare cable braid by rotating dielectric and slide cable into crimp tail.

**2**



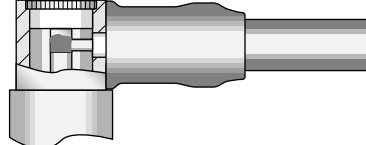
- Position cable so braid touches rear of body assembly.
- Slide crimp sleeve forward to touch rear of body assembly.
- Crimp braid with appropriate die size from chart below.

**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
02	.105
03	.128
05	.128
19	.128



APPLIED ENGINEERING PRODUCTS

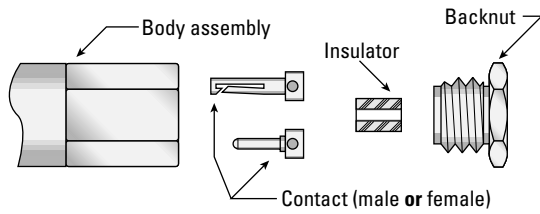
(203) 776-2813 • FAX (203) 776-8294

www.aepconnectors.com • aepsales@aepconnectors.com

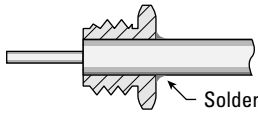
# Cable Assembly Instructions

## Straight Connectors—Semi-Rigid Cable

### Parts list

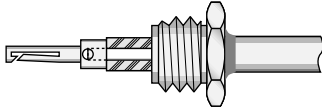


**1**



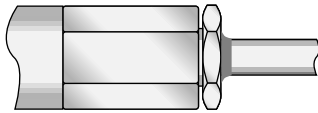
- Trim cable per trim code below; tin end of center conductor.
- Insert cable into backnut until trimmed end of jacket is flush with front of back nut.
- Solder cable jacket to back nut. Retrim dielectric flush if necessary.

**2**



- 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).

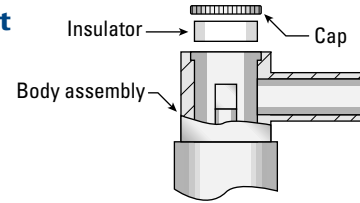
**3**



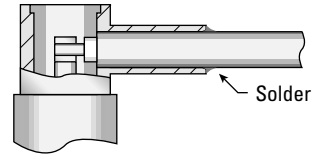
- Insert cable assembly into body assembly. Tighten to 25–45 inch-ounces torque.

## Right Angle Connectors—Semi-Rigid Cable

### Parts list

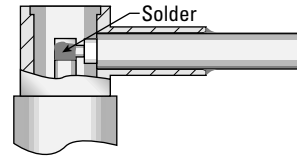


**1**



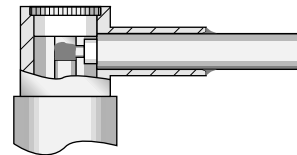
- Trim cable per trim code below; tin end of center conductor.
- Insert trimmed cable into body until jacket bottoms on step inside body and center conductor is in contact slot.
- Solder cable jacket to body assembly.

**2**



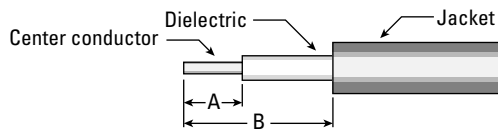
- Solder center conductor into notch in rear of contact with .025–.032" diameter chisel-tip soldering iron.
- Solder should cover center conductor, but not extend over top of notch in contact, or exceed contact diameter.

**3**



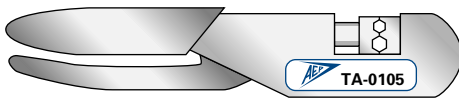
- Place insulator in body cavity, and press cap into place. Properly assembled cap will be slightly below end of body assembly.

## Cable Trim Dimensions



CONNECTOR TYPE	A	B
STRAIGHT CONNECTORS	.125	.125
RIGHT ANGLE CONNECTORS	.060	.120

## Assembly Tools



DESCRIPTION	AEP P/N
Crimp tool with .105" and .128" hex dies	TA-0105



DESCRIPTION	AEP P/N
Torque wrench with 5/32" jaws for SSMC plug coupling nuts and straight connector backnuts; 30 inch-ounces torque	TA-0432

DESCRIPTION	AEP P/N
Capping tool (arbor press) with bases for SSMB/SSMC/SSLB right angle plugs and jacks	CP-17

