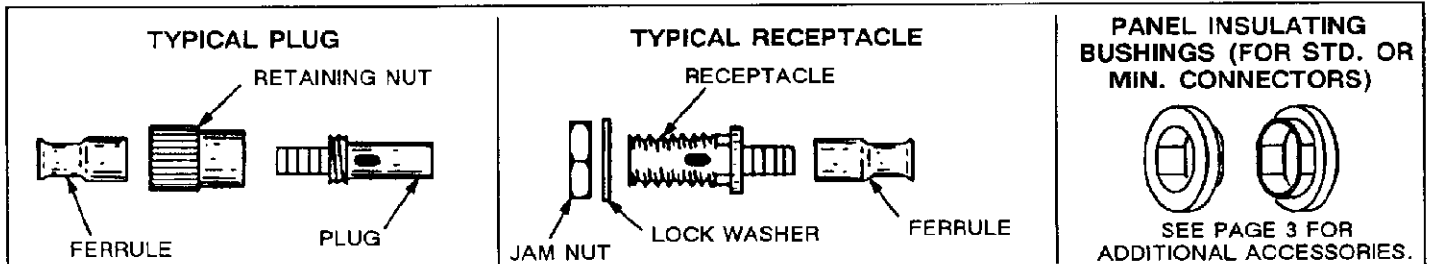


AMPAMP INCORPORATED
HARRISBURG, PA 17105**IS 1771**CUSTOMER HOTLINE
1 800 722-1111AMP*
THREADED TYPE
COAXICON* CONNECTORSRELEASED
11-6-89

STANDARD THREADED COAXICON CONNECTORS

CABLE NO.	PART NUMBER — PRODUCT			DIELECTRIC MATERIAL	CABLE STRIP LENGTH	HAND TOOL	DIE (FOR 69365-2 OR 69710)
	PLUG	RECEPTACLE	FERRULE*				
141	—	2-329031-4	330478	Polypropylene	Fig. 3A	45740	69220-1
						45740 Mod L	
55, 55A, 55B, 142 and 223	—	2-329031-2	329099			69248-1	69315-1
						69248-1 Mod H	
58, 58A, 58B and 58C	2-329030-1	2-232031-1	328663			45740	69220-1
						45740 Mod L	
59, 59A, 59B, 62, 62A, 62B, 124, 140 and 210	—	2-329033-1	329041			69126	69225-1
						69126 Mod G	

MINIATURE THREADED COAXICON CONNECTORS

CABLE NO.	PART NUMBER — PRODUCT			DIELECTRIC MATERIAL	CABLE STRIP LENGTH	HAND TOOL	DIE (FOR 69365-2 OR 69710)
	PLUG	RECEPTACLE	FERRULE*				
174, 188, 21-596 and 21-598	2-329036-1	—	329038	Polypropylene	Fig. 3C	45609	69226-1
	2-330311-1	—		Teflon†		45609 Mod P	
179A and 187	2-329036-1	—		Polypropylene		69142	69228-1
	2-330311-1	—		Teflon†		69142 Mod H	
161, 178, 178A and 196	—	2-330312-2 2-330312-3	329067	Teflon†	Fig. 3B	69188-1 Mod F	69372
174, 179, 187, 188, 21-596 and 21-598	—	2-330312-1 2-330312-4	329038	Teflon†	Fig. 3C	69142 Mod H	69228-1

* Ferrule part numbers are shown for reference only since they are included with assemblies.

† Trademark of E.I. DuPont

Fig. 1

1. INTRODUCTION

This instruction sheet (IS) covers the selection and assembly of AMP Threaded Type COAXICON Connectors listed in Figure 1. These connectors, consisting of standard threaded and miniature threaded COAXICON connectors, are designed to be terminated to the variety of coaxial cable listed in Figure 1.

NOTE

All dimensions on this instruction sheet are in inches.

Read these instructions thoroughly before starting assembly or termination.

NOTE

Current production hand tools are identified by the model letter designations listed in Figure 1. See Instruction Sheet IS 1771-2 for crimping instructions for these tools. Refer to Instruction Sheet IS 1771-3 for crimping procedures for the interchangeable dies listed.

2. CABLE PREPARATION

Before stripping the cable, slip plug retaining nut and one ferrule on the cable as shown in Figure 2. Then proceed as follows:

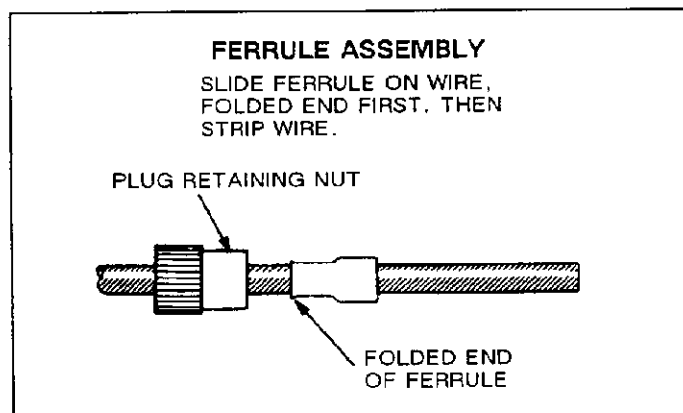


Fig. 2

1. Slip another ferrule on the other cable. See Figure 2.

NOTE

Slide ferrule — folded-end first — over cable.

2. Find the figure reference under the Cable Strip Length column in Figure 1 for the specific connector and cable being used. Then strip cable to dimensions indicated under the appropriate section in Figure 3.

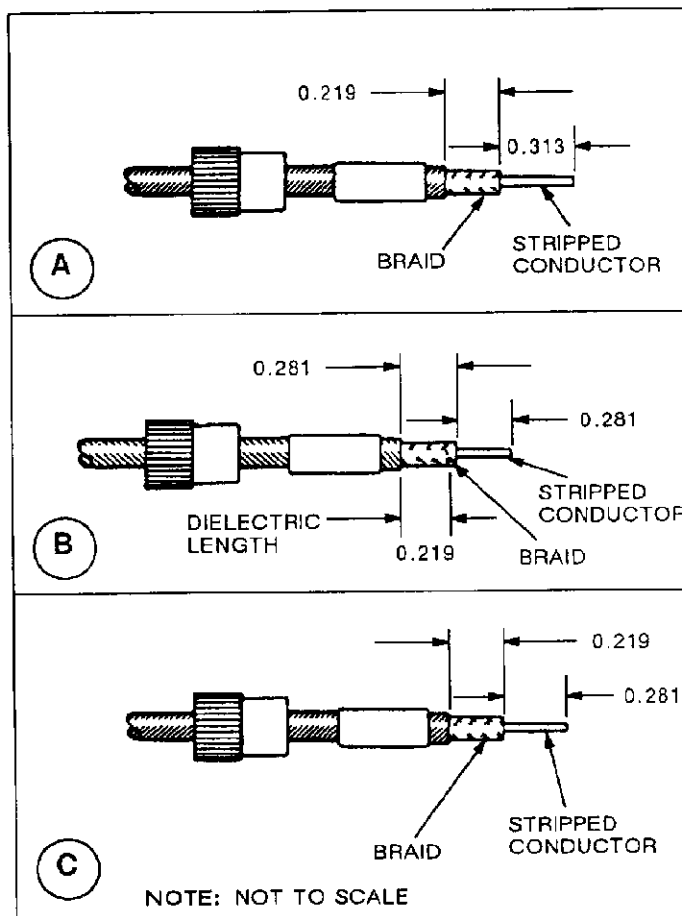


Fig. 3

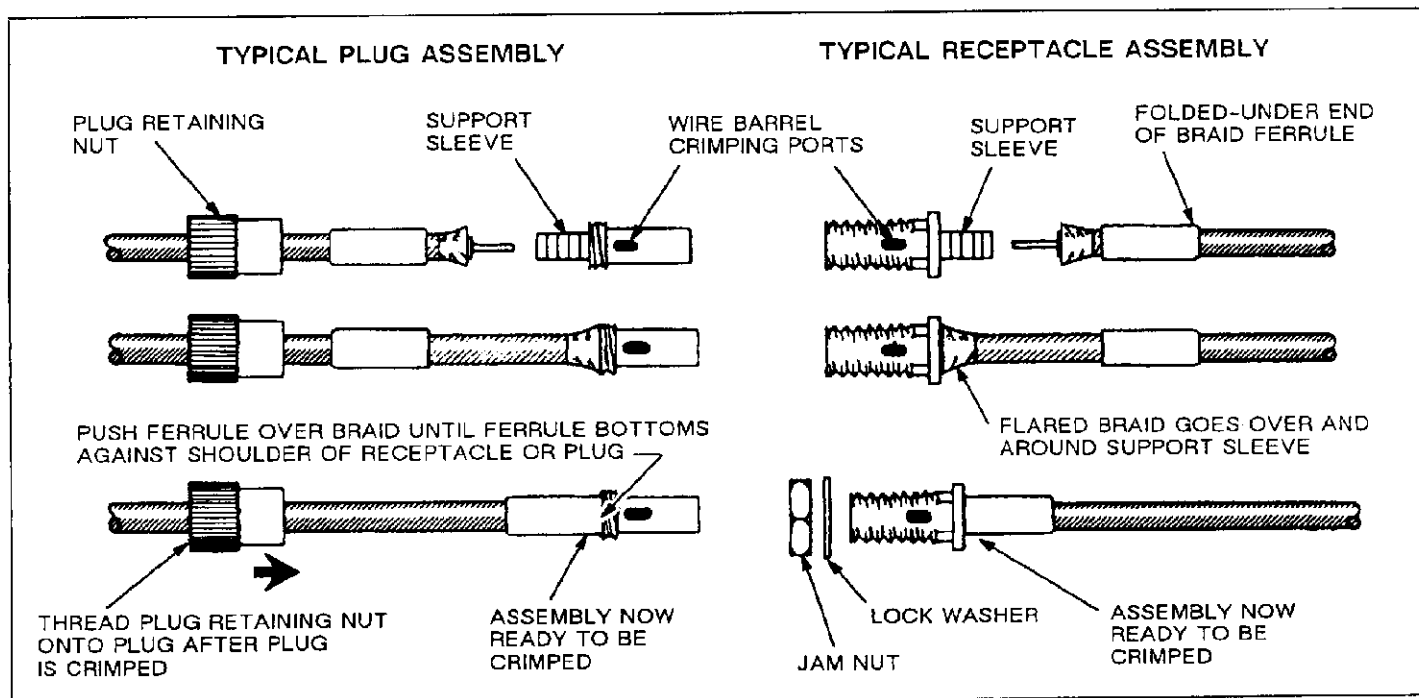


Fig. 4

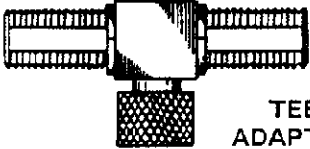
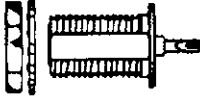
ADAPTER	PART NUMBER
 TEE ADAPTER	329096 Miniature
 ANGLE ADAPTER	329097 Miniature
 FEED-THRU ADAPTER	330118 Miniature
 PRINTED CIRCUIT BOARD ADAPTER	330119 Standard
	331899 Miniature
 SOLDER RECEPTACLE	329852 Miniature
	329852-1 Miniature (Teflon Dielectric)

Fig. 5

3. ASSEMBLY PROCEDURE

The steps which follow are recommended to assemble the cable for termination. Use the applicable illustration for the specific connector being used. Proceed as follows:

1. Hold ferrule in place and insert the stripped conductor into the wire barrel of connector. Turn plug or receptacle slightly to ease insertion of the stripped conductor. See Figure 4.
2. Push ferrule forward and over support sleeve of connector as far as it will go. Connector is now ready to be crimped to cable. Refer to Figure 4.
3. Crimp connector to the cable, using the information listed in Figure 1 and by following the instructions in the instruction sheet packaged with the tooling.

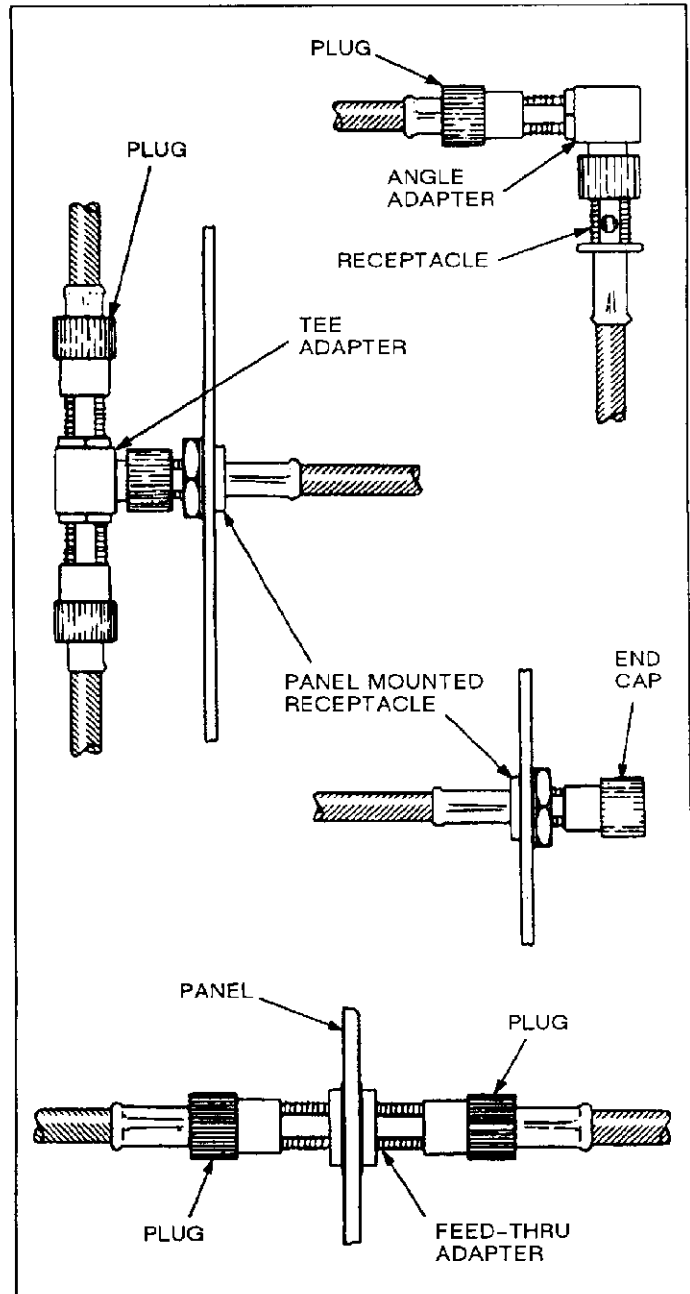


Fig. 6

4. ADAPTERS AND END CAPS

Threaded type COAXICON adapters, shown in Figures 5 and 6, are used with the connectors listed in Figure 1. Use the adapters as required in either free-hanging or in panel-mounting applications.

End caps are used on the open side of tee adapters, or to protect the threaded end of other receptacles. See Figure 6. They are used with both standard and miniature threaded type receptacles.

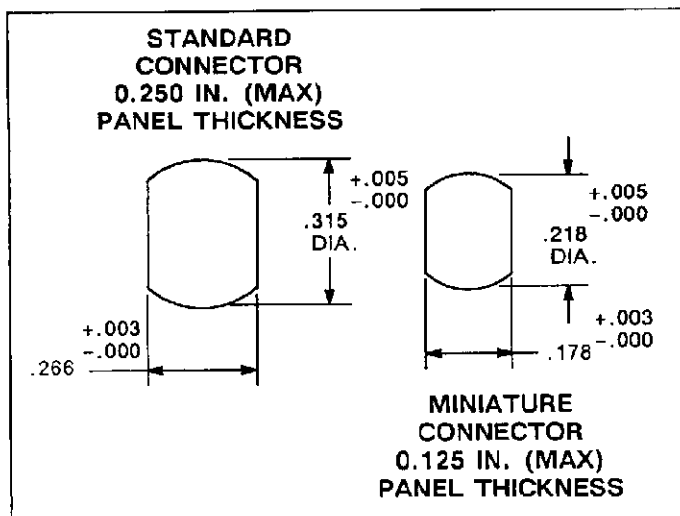


Fig. 7

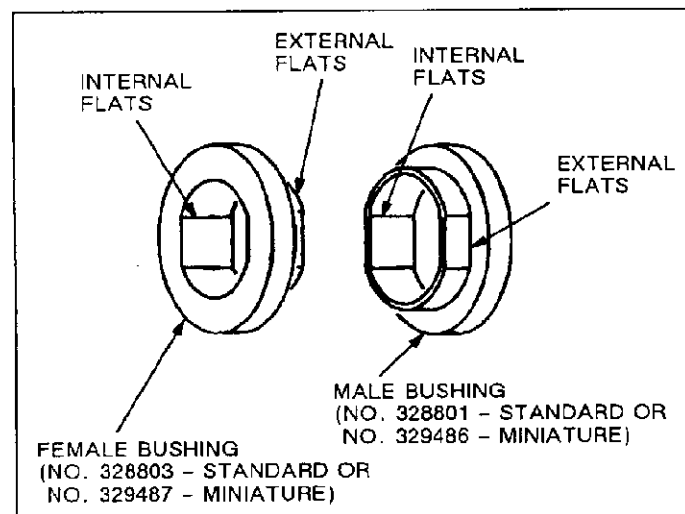


Fig. 8

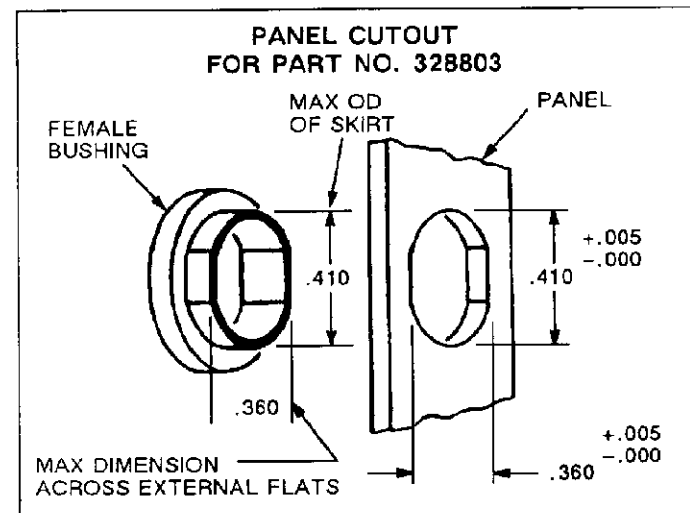


Fig. 9

When coupling receptacle to angle or tee adapter, first turn collar several complete turns, then push receptacle "IN" until it bottoms. Turn collar tight.

5. PANEL MOUNTING DIMENSIONS

The dimensions shown in Figure 7 are outside dimensions for threaded type receptacles. The actual cutout is not shown because of variations in mounting requirements. Use Figure 7 as a guide for panel cutouts.

6. PANEL INSULATING BUSHINGS

Bushings are available for use in insulating standard and miniature connectors when those connectors are panel mounted. Both bushings contain internal flats to prevent the receptacle from turning inside the bushing. See Figure 8. External flats prevent the bushings from turning inside the panel.

To determine the panel cutout dimensions, refer to Figures 9 and 10. Attach male and female bushings to panel as shown in Figure 11. The manner of assembly is the same for both standard and miniature COAXICON connectors.

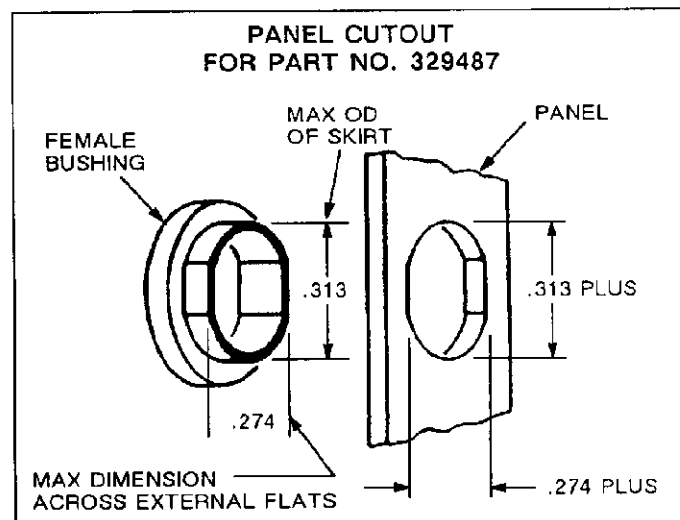


Fig. 10

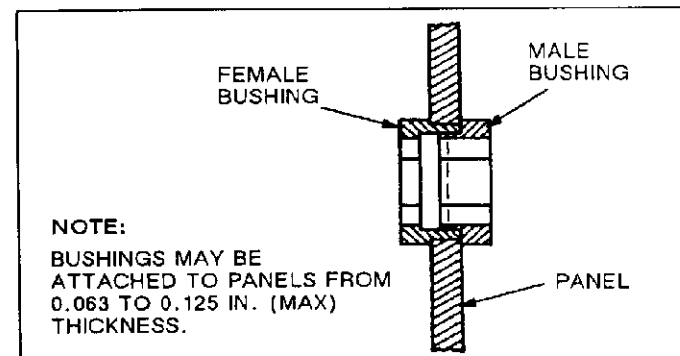


Fig. 11