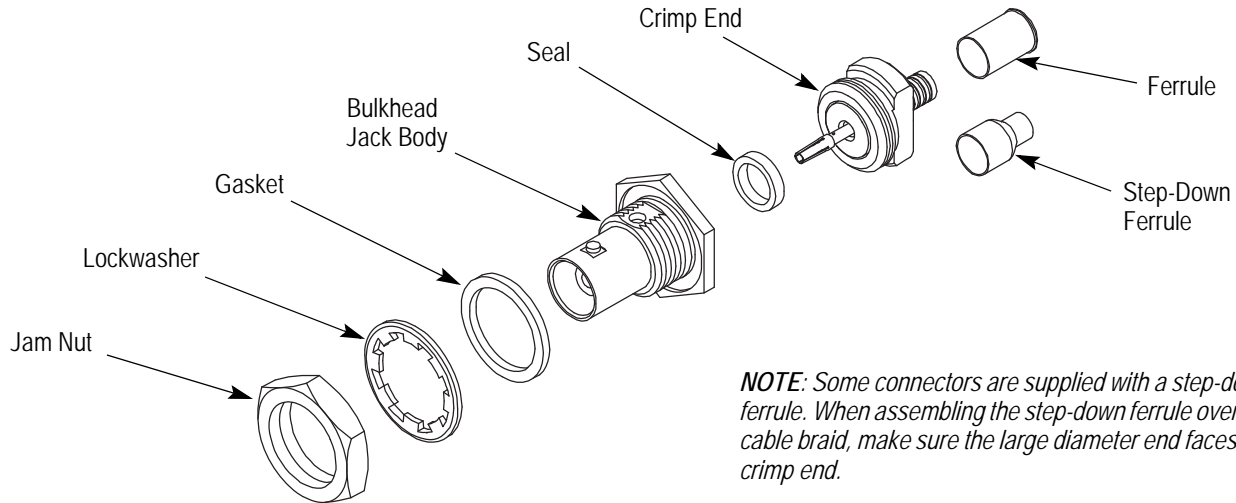


STANDARD BNC BULKHEAD JACKS



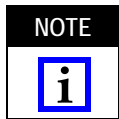
**NOTE:** Some connectors are supplied with a step-down ferrule. When assembling the step-down ferrule over the cable braid, make sure the large diameter end faces the crimp end.

RG/U CABLE	CONNECTOR PART NUMBER		CRIMPING TOOL		CRIMPING DIES FOR TOOL 69710-1	
	(Polypropylene Dielectric)	(PTFE Dielectric)	Part Number	Instruction Sheet	Part Number	Instruction Sheet
58, 58A, 58B, 58C	--	2-329456-1	69140-1	408-2340	69223-1	408-2496
161, 179, 187	2-329092-1	2-329458-1	69245-1		69408	
174, 188	2-330060-1	--	69245-2		69422	

Figure 1

### 1. INTRODUCTION

This instruction sheet covers selection and assembly of the BNC Series Standard Single-Crimp Coaxial Bulkhead Jack Connectors listed in Figure 1. Read these instructions thoroughly before starting assembly.



**NOTE** All dimensions on this sheet are in millimeters [with inch equivalents provided in brackets]. Figures and illustrations are for identification only and are not drawn to scale.

Reasons for reissue of this instruction sheet are provided in Section 6, REVISION SUMMARY.

### 2. DESCRIPTION

Each connector features a bulkhead jack body, a braid ferrule, a crimp end, a lockwasher, and a jam nut. Refer to Figure 1 for cable size, jack connector part numbers, and the tooling used to crimp the connectors. Refer to Figure 2 for specific stripping dimensions.

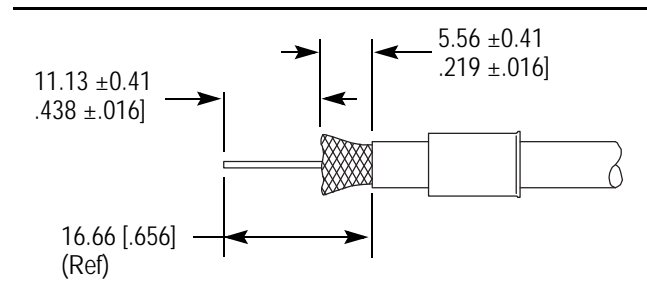


Figure 2

### 3. ASSEMBLY PROCEDURE

1. Select the connector, based on the cable being used. Refer to Figure 1 for standard jacks.
2. Slide ferrule onto cable (see Figure 3), and then refer to Figure 2 to determine the cable strip dimensions. Strip the cable to the proper dimensions.
3. Insert stripped conductor into center contact on crimp end with braid over support sleeve of crimp end (see Figure 3). Make sure that cable dielectric bottoms against dielectric of crimp end.

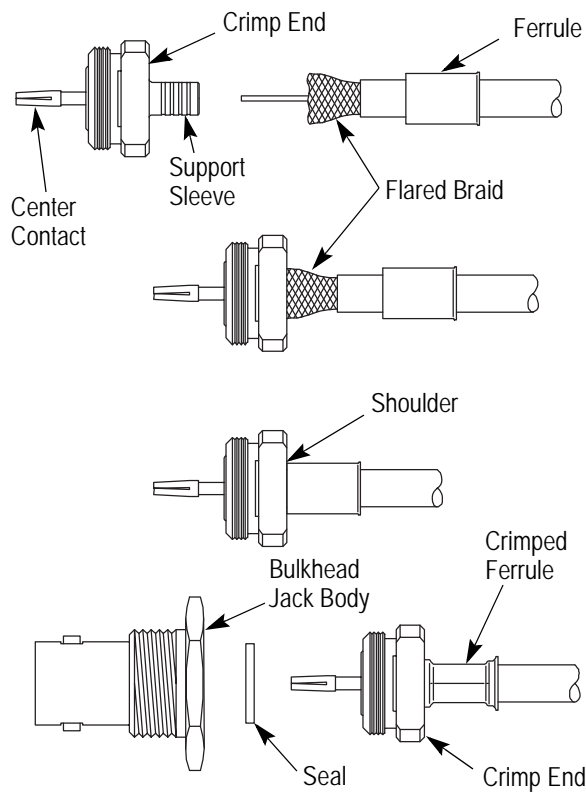
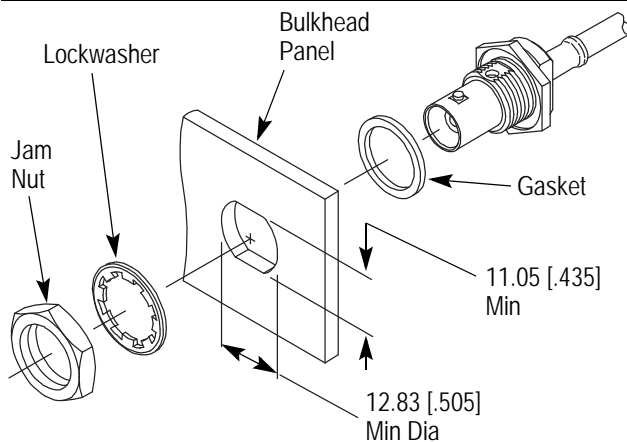


Figure 3

4. Slide ferrule forward and over braid on crimp end as far as it will go.
5. Crimp the ferrule and contact portion simultaneously with the appropriate crimping tool in Figure 1.
6. Assemble crimp end and seal into bulkhead jack body as shown in Figure 3.
7. Tighten crimp end to 1.69 to 2.26 N•m [15 to 20 in.-lb].
8. Slide gasket over jack body and press into recess in jack. See Figure 4.



**NOTE:** Maximum Panel Thickness is 3.18 [.125].

Figure 4

9. Using the dimensions shown in Figure 4, make the panel cutout, then insert the panel jack connector into the panel and secure connector with lockwasher and jam nut. See Section 4 if a panel insulating bushing is to be used.

#### 4. PANEL INSULATING BUSHING (Figure 5)

Panel Insulating Bushing 330620 is available for use with bulkhead jacks. Refer to Figure 5 for panel cutout dimensions.

**NOTE**



*Two bushings are required for each bulkhead jack.*

1. For 1.57 mm [.062 in.] Max. panel, assemble bushings as shown in View A.
2. For 0.79 mm [.031 in.] Max. panel, assemble bushings as shown in View B.

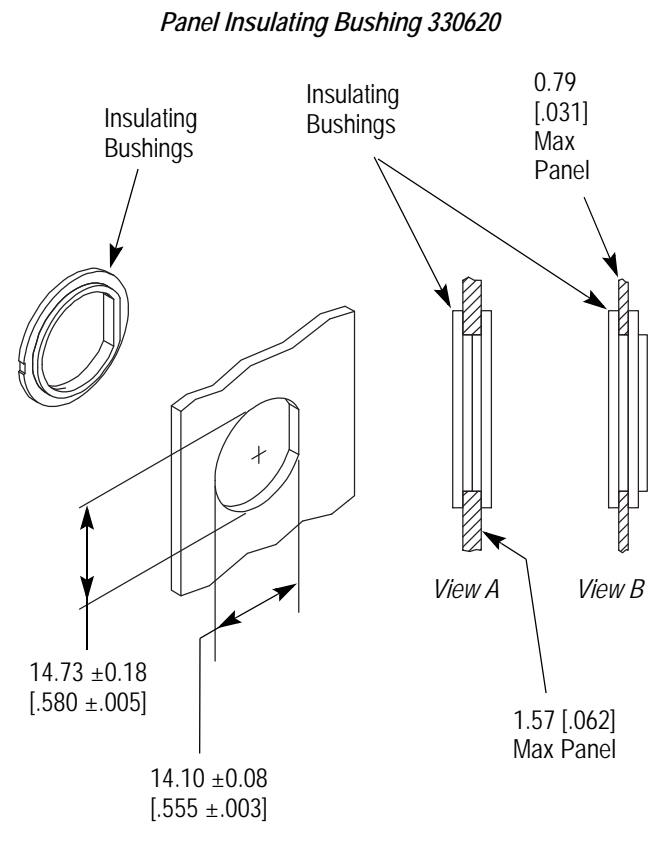


Figure 5

### 5. BULKHEAD JACK ADAPTER (Figure 6)

Bulkhead Jack Adapter 330024 is available for mating two plug connectors. Assemble bulkhead jack adapter as follows.

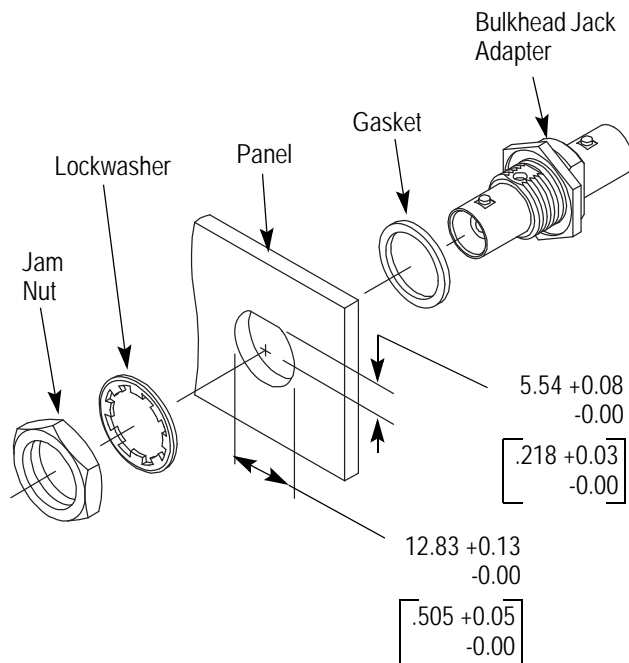
1. Prepare panel cutout (see Figure 6).
2. Slide gasket onto threaded end of adapter and press into recess on adapter, then insert adapter through panel.
3. Secure adapter with lockwasher and jam nut.

### 6. REVISION SUMMARY

Since the previous version of this document, the following changes were made:

- Removed obsolete parts.
- Edited table in Figure 1 for clarity.
- Replaced improper trademark reference for PTFE.
- Removed Figure 3 (strip length diagram for obsolete part) and reordered figure numbers and references.
- Updated document to corporate requirements.

*Bulkhead Jack Adapter 330620*



**NOTE:** Maximum Panel Thickness is 6.35 [.250].

*Figure 6*