

Figure 1

1. INTRODUCTION

This instruction sheet covers the assembly of COAXICON 50-Ohm N Series Mil-Type Plug Connectors 51692-[], 225092-[], 225661-[], and 225662-[]. The plug connectors accept a wide range of coaxial cables and are available in both standard and weatherproof versions. The connectors can be crimped using various CERTI-CRIMP* Hand Tools such as: 220045-2 (Instruction Sheet 408-2330) and 220015-1 (Instruction Sheet 408-2331).

Catalog 1307191 provides a guide for cable-to-connector selection, as well as recommended crimping tools. For cable sizes and connectors not referenced in the catalog, contact TE Connectivity Product Engineering for connector recommendations. For detailed crimping instructions, refer to the instruction sheet packaged with the crimping tool.

NOTE



Dimensions are in millimeters [followed by inches in brackets]. Figures and illustrations are for reference only and are not drawn to scale.

See Section 4, REVISION SUMMARY for reasons for revision.

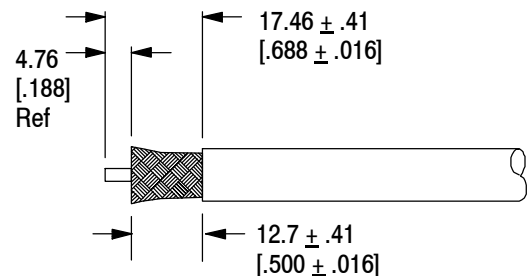
2. DESCRIPTION (Figure 1)

The plug connectors consist of a plug body, a center contact, and a ferrule. The weatherproof connectors include a ferrule containing a rubber seal. See Figure 1. For part availability, refer to the Customer Drawing packaged with the connector.

3. ASSEMBLY PROCEDURE

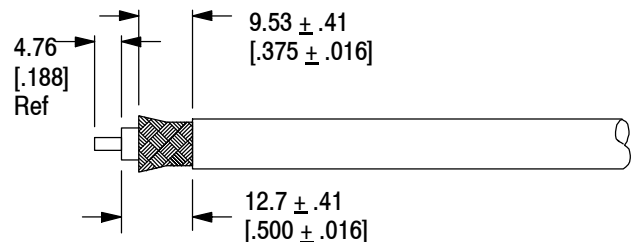
1. Slide ferrule onto unstripped cable; then strip cable using the appropriate strip-length

dimensions provided in Figures 2, 3, 4, or 5. To select the appropriate strip-length dimensions, cross-reference the RG/U cable number or cable manufacturer to the appropriate figure. If the appropriate cable type is not listed in the figures, contact TE Product Engineering for connector recommendations.



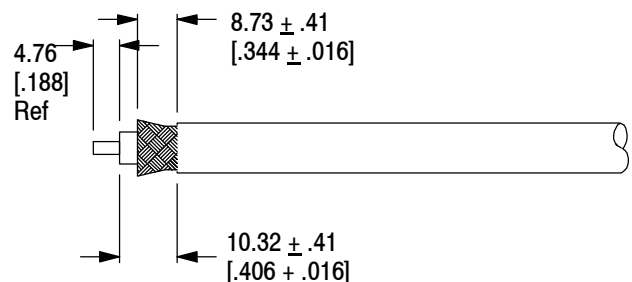
NOTE: Used with RG/U Cable: 9, 9A, 9B, 214, 225, 216, 115A, 393, F.E.P.-115A (TIMES MI 5164), and BXS 7004-501.

Figure 2



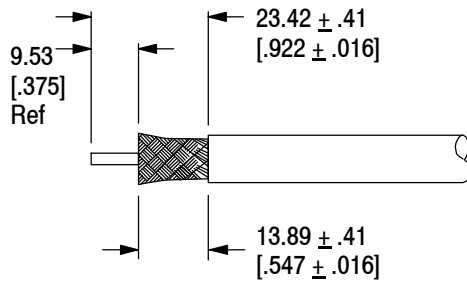
NOTE: Used with RG/U Cable: 5, 5A, 5B, 212, 143A, 8, 8A, 213, 165, 11, 11A, 144, MICRODOT 250-4172, -4208, 250-4171, -4207, AMPHENOL 621-111, 304, and TIMES AA-5887, 5886, and 5888.

Figure 3



NOTE: Used with RG/U Cable: 58A, 58C, 55A, 223, 141, 141A, 142, 142A, 142B, 302 (TIMES AA-2141), and 59.

Figure 4



NOTE: Used with RG/U Cable: 226 MODIFIED (TIMES A-A2368) and 217.

Figure 5



Do not nick or cut the cable braid. The center conductor must be straight and free of burrs.

2. Flare the cable braid and insert the center conductor into the contact. The shoulder of the contact should rest against the cable dielectric, as shown in Figure 6.

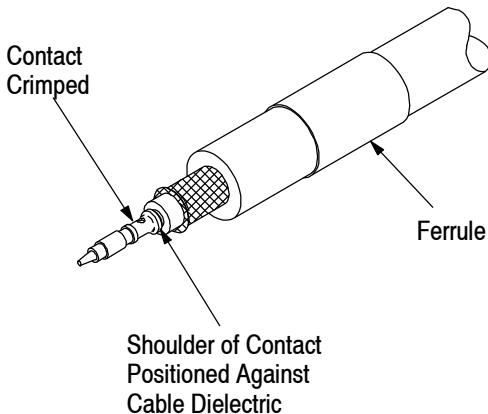


Figure 6

3. Crimp the center contact using the recommended crimping tool. Refer to the instruction sheet (packaged with the tool) for specific crimping instructions. See Figure 6.

4. Insert center contact into the plug body, making sure the braid is positioned over the connector support sleeve. See Figure 7. Pull back gently on the cable to ensure that the contact is held in place by the internal locking feature.

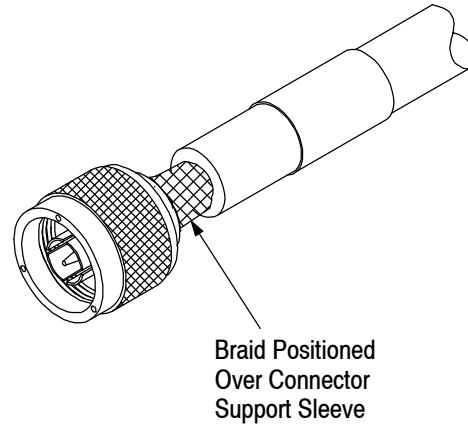


Figure 7

5. Slide the ferrule forward over the cable braid until it is positioned against the shoulder of the plug body. Crimp the ferrule using the recommended crimping tool. Refer to the instruction sheet (packaged with the tool) for specific crimping instructions. See Figure 8.

NOTE



When terminating part to cables less than 304.8 mm [12 in.] in length, care must be taken to prevent the cable dielectric from moving inside the cable jacket during crimping. Failure to prevent this movement could lead to DWV failures. When short cable lengths are required, it is recommended to use a 304.8 mm [12 in.] length of cable and trim cable to final length after crimping part onto cable.

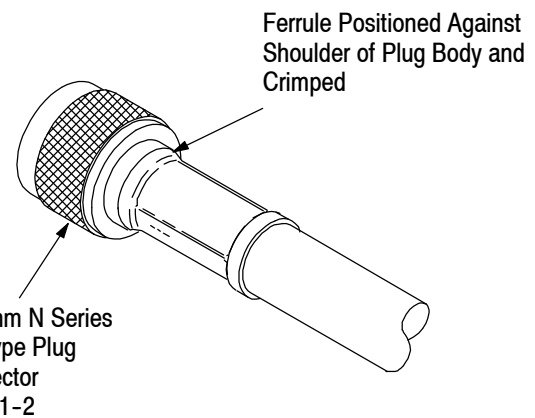


Figure 8

4. REVISION SUMMARY

- Updated document to corporate requirements.