

Figure 1

1. INTRODUCTION (Figure 1)

This Instruction Sheet (IS) covers the assembly of 50-Ohm RF Series BNC Coaxial Jack Hex Crimp Connectors 413779-[]. The connectors accept a wide range of coaxial cables and are terminated with Hand Tool 354940-1. For details concerning the operation of the hand tool and recommended die assemblies, refer to Instruction Sheet 408-9930. Catalog 1307191 provides a cable-to-connector selection guide to ensure part compatibility. For cable sizes not listed in the catalog, contact the Product Information number at the bottom of this page.

NOTE



All dimensions on this document are in metric units [with U.S. customary units in brackets]. Figures and illustrations are for identification only and are not drawn to scale.

Reasons for revision are given in Section 4, REVISION SUMMARY.

2. DESCRIPTION

The jack connector consists of a jack assembly, center contact, and a ferrule. A spacer and tubing are also provided with connectors which use air core dielectric cable (refer to the Customer Drawing for part availability). The connectors feature secure mating characteristics and insure positive insulation grip. For details concerning product specifications, refer to Catalog 1307191.

3. ASSEMBLY PROCEDURE

1. Slide ferrule over unstripped cable; then strip cable using the appropriate strip-length dimensions provided in Figures 2 and 3. Do not

nick or cut the cable braid. Center conductor must be straight and free of burrs.

NOTE



If a plastic spacer and tubing are provided with the connector, they must be installed before the center contact is crimped. The spacer is positioned over the center conductor and against the air core dielectric. To install the tubing, slide it over the dielectric. For part availability, refer to the Customer Drawing.

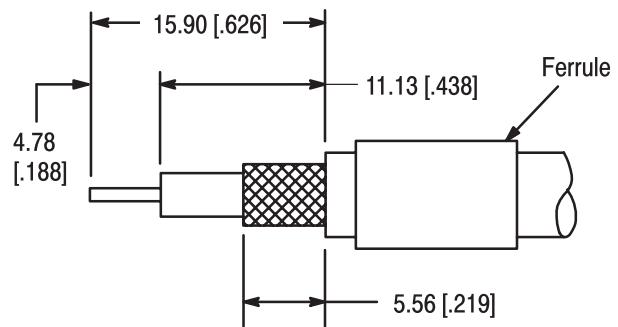
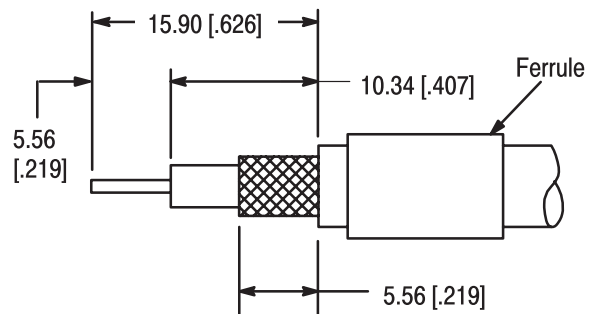


Figure 2



NOTE: For cables with air core dielectric only:
RG-62/U, RG-62A/U, RG-62B/U.

Figure 3

2. Position the contact onto the center conductor; then crimp the contact using Hand Tool 354940-1 (fitted with the appropriate die assembly). See Figure 4.

3. Insert the center contact into the jack assembly until it snaps into place. The cable braid must be positioned over the support sleeve of the jack assembly. Gently pull back on the cable to ensure that the contact is held in place by the internal locking feature. See Figure 5.

4. Slide the ferrule forward over the braid and support sleeve. Crimp the ferrule using Hand Tool 354940-1. See Figure 6.

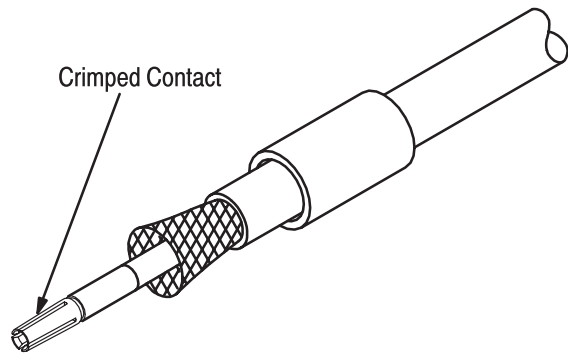


Figure 4

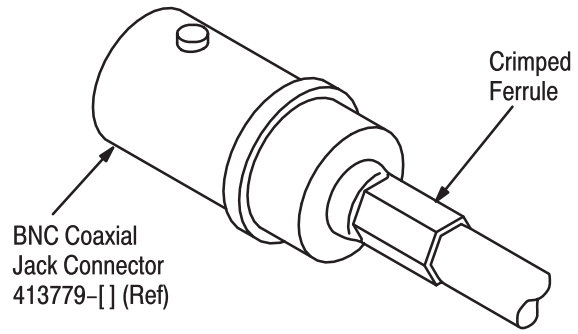


Figure 6

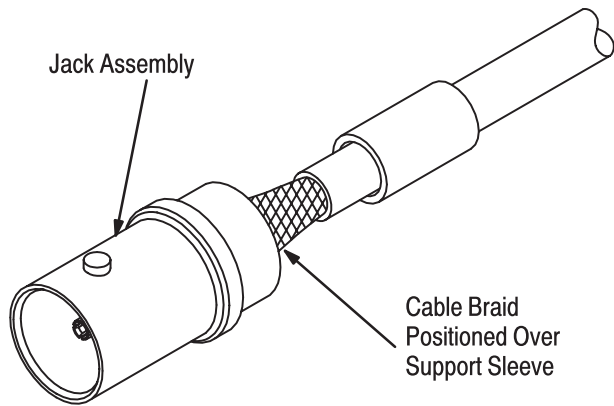


Figure 5

4. REVISION SUMMARY

- Updated document to corporate requirements
- New format
- Changed Hand Tool 220190-1 to 354940-1
- Changed Instruction Sheet IS 2901 to 408-9930
- Changed Catalog 82074 to 1307191