

AMPAMP INCORPORATED
Harrisburg, Pa. 17105AMP ★ LGH ★ 4-PIN CIRCULAR
HIGH VOLTAGE CONNECTOR

Instruction Sheet

IS 9170

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REDUCED FOR PACKAGING

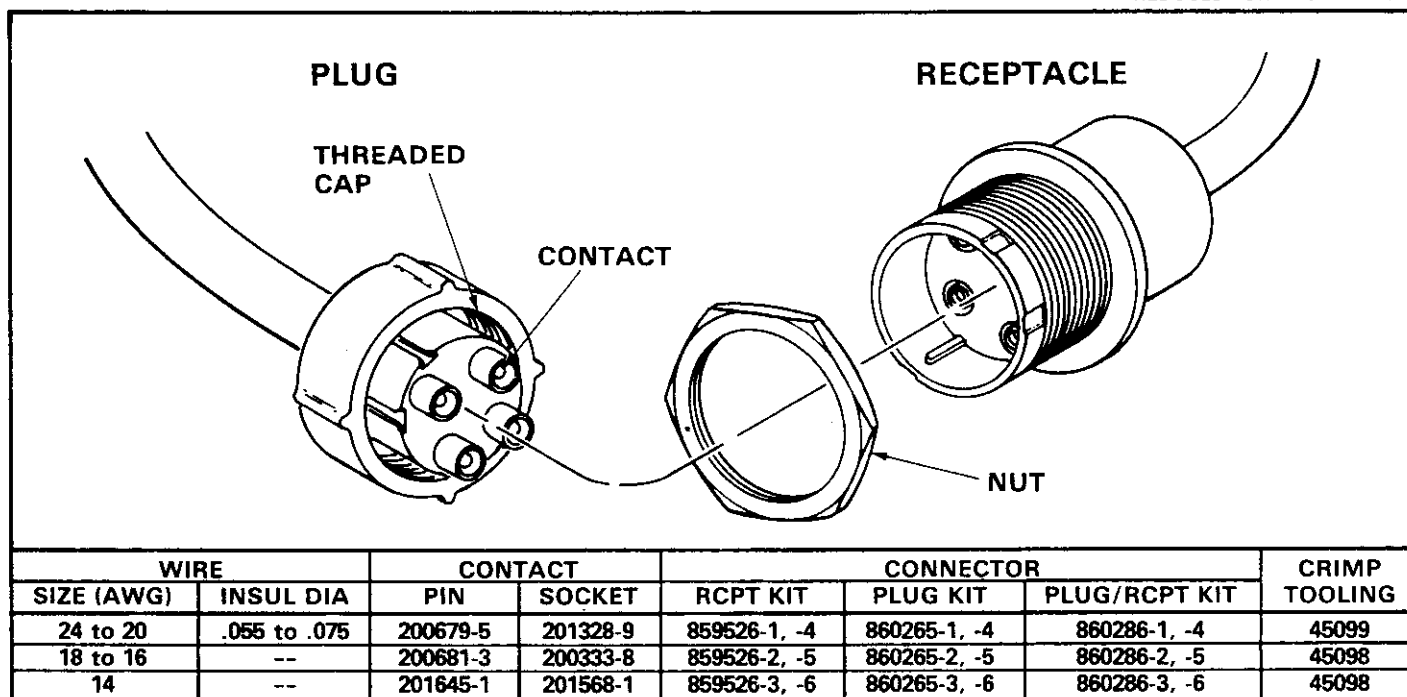


Fig. 1

1. INTRODUCTION

This instruction sheet (IS) covers the assembly procedures for the AMP 4-pin circular connectors listed in Figure 1. Typical connector configurations are also shown in Figure 1.

Read this sheet, and applicable referenced material, before assembling connectors or installing hardware.

NOTE

All dimensions on this instruction sheet are in inches.

2. DESCRIPTION (Figure 1)

Each connector kit features a plug or receptacle shell, Type II pin or socket contacts of a specified wire size, and a hex nut.

The connectors are equipped with threaded caps for quick connect/disconnect capability and can be panel- or bulkhead-mounted, or used for free-

hanging applications.

When crimping the contacts, use the applicable AMP hand crimping tool listed in Figure 1. Refer to AMP Instruction Sheet IS 1786, packaged with the tool, for complete crimping instructions.

After crimping the contacts and assembling the connectors, the connectors must be sealed with a suitable potting material. Refer to Section 4, ASSEMBLY AND POTTING, for specific instructions.

3. WIRE PREPARATION (Figure 2)

Refer to Figure 2 for proper stripping dimensions, and proceed as follows:

1. Strip the insulation according to the dimensions shown in Figure 2.
2. Crimp the contact to the wire using the appropriate tooling. Refer to the chart in Figure 1.

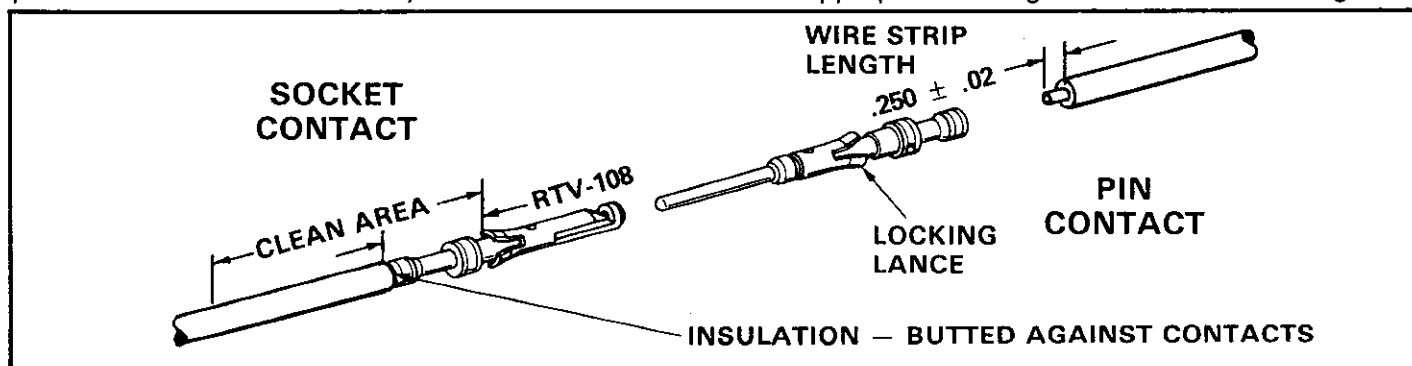


Fig. 2