

Figure 1

1. INTRODUCTION

This instruction sheet covers the assembly of AMPLIMITE cord guard assemblies and AMPLIMITE “squeeze-to-release” cord guard assemblies having 9 positions (reference part numbers are given in Figure 1).

NOTE



Dimensions in this instruction sheet are in millimeters [with inches in brackets]. Figures are not drawn to scale.

The cord guard assemblies are designed to accept either plug or receptacle housings loaded with crimped contacts that terminate wire size 20 through 28 AWG with an outer diameter of up to

1.524 [.060] (maximum). The “squeeze-to-release” cord guard assemblies are designed to *only* accept receptacle housings as shown in Figure 1.

Reasons for reissue of this instruction sheet are provided in Section 4, REVISION SUMMARY.

2. DESCRIPTION

The cord guard assembly consists of a plug or receptacle housing, cord guard, and a strain relief clamp.

The plug or receptacle housing features an open assembly design, where contact retention is maintained by two hinged tabs which are closed after all the contacts have been fully seated.

The receptacle housing of the “squeeze-to-release” cord guard assembly features an open design where contact retention is maintained by two hinged tabs, which are closed after all the contacts have been fully seated.

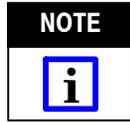
The cord guard is designed to fit around the plug or receptacle housing and provide contact retention by locking the hinged tabs around the contacts. See Figure 2. The cord guard also supports the strain relief clamp and protects the wire and contacts at the point they emerge from the plug or receptacle housing.

The cord guard of the “squeeze-to-release” assembly is designed to fit around the contact housing and provide contact retention by locking the hinged tabs around the contacts. The cord guard also supports the strain relief clamp and protects the wire and contacts at the point they emerge from the contact housing. The cord guard features a “squeeze-to-release” shroud which secures the receptacle housing to a special plug connector until it is squeezed on both sides to release and unmate the connectors.

3. ASSEMBLY (See Figure 2)

1. Remove a maximum of 47.63 [1.87] of the insulation from the end of the cable.
2. Slide the cord guard over the cable.

3. Attach the contacts to the individual wires using the appropriate application tooling.
4. Attach the strain relief clamp near the end of the cable using the appropriate application tooling.



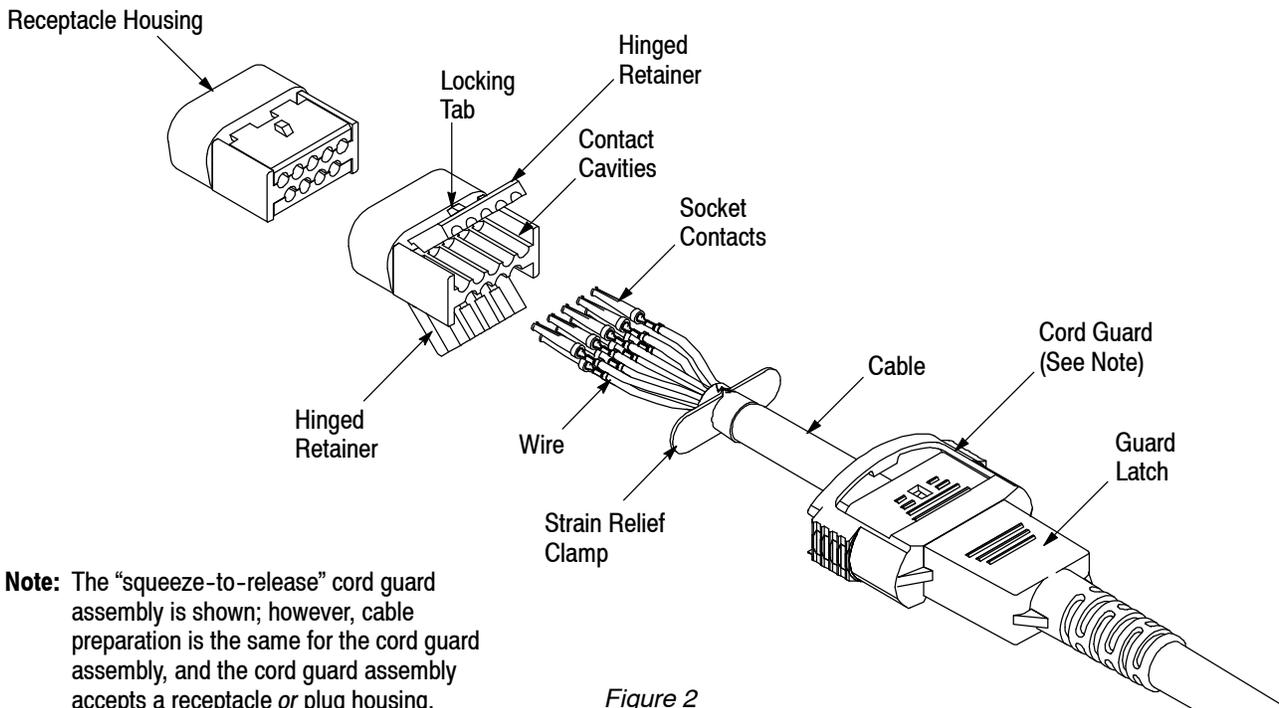
Specific details for the exact location of the strain relief clamp and crimp dimensions of the contact sockets and clamps will be provided by Tyco Electronics engineering if cable samples are provided.

5. Open the hinged retainers (see Figure 2) of the plug or receptacle housing and insert the contacts into the housing. The contacts must fully enter the contact cavities.
6. Close the hinged retainers using the thumb and index finger of one hand and push the cord guard over the the rear of contact housing until the guard latches connect with the locking tabs.
7. Pull back slightly on the cord guard to make sure the guard latches are fully seated with the locking tabs of the plug or receptacle housing.

4. REVISION SUMMARY

Revisions to this instruction sheet include:

- Updated instruction sheet to corporate requirements
- Added reference part numbers
- Modified Figure 2



Note: The “squeeze-to-release” cord guard assembly is shown; however, cable preparation is the same for the cord guard assembly, and the cord guard assembly accepts a receptacle or plug housing.

Figure 2