

Figure 1

1. INTRODUCTION

OSP Floating Panel Feedthrough Cable Jack (Crimp Attachment) 1058576-1 is designed to be installed onto double braid coaxial cable size RG 178/U or 196/U using the following tools:

TOOL DESCRIPTION	PART NUMBER CROSS-REFERENCE	
	TE CONNECTIVITY	M/A-COM
Center Contact Holder	1055463-1	2098-5237-10 (T-4579)
Crimp tool	1060713-1	5698-5014-54 (T-4718)
Crimp Die	1055277-1	2098-0370-54 (.118 Hex)



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

2. DESCRIPTION

The jack consists of a mounting nut, housing assembly, dielectric, contact, contact sleeve, clamp nut, shrink tubing, and ferrule. Refer to Figure 1.

3. ASSEMBLY PROCEDURE



Follow safety precautions included with the tools used for assembly.

- Slide the shrink tubing then the ferrule onto the cable. Strip the cable to the dimensions shown in Figure 2. Take care not to nick the cable dielectric. Flare the cable braid.
- Insert the contact sleeve into the clamp nut. Slide the assembly over the cable dielectric until the dielectric protrudes from the contact sleeve to the dimension shown in Figure 3, Detail A.

- Slide the ferrule over the cable braid. Crimp the ferrule. See Figure 3, Detail B.
- Trim any excess braid strands.
- Tin the center conductor.
- Place the contact in the center contact holder. Heat the contact with a soldering iron, then carefully push the contact over the cable center conductor until it rests firmly against the dielectric. See Figure 4, Detail A. Remove excess solder and splatter.

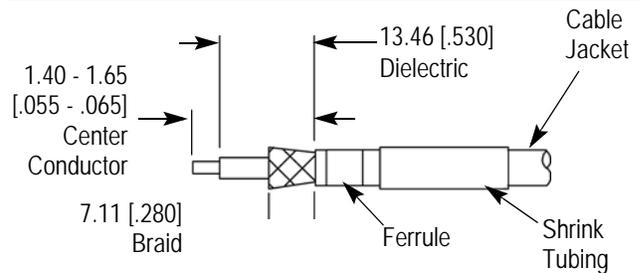


Figure 2

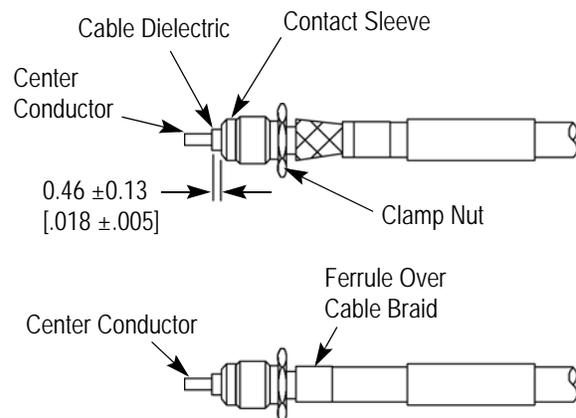


Figure 3

7. Slide the dielectric over the contact. See Figure 4, Detail B.
8. Slide the housing assembly over the assembly until it engages the threads of the clamp nut. See Figure 4, Detail C. Tighten to a torque of 0.883 N•m [.651 lb-ft].
9. Slide the shrink tubing over the ferrule and against the clamp nut. See Figure 4, Detail D. Using a heat gun, apply indirect heat to the shrink tubing until the tubing has shrunk and is secured to the cable.

10. Cut a hole in the panel using the dimensions shown in Figure 5, Detail A. Mount the jack onto the panel. Install the mounting nut onto the front of the jack. Refer to Figure 5, Detail B.

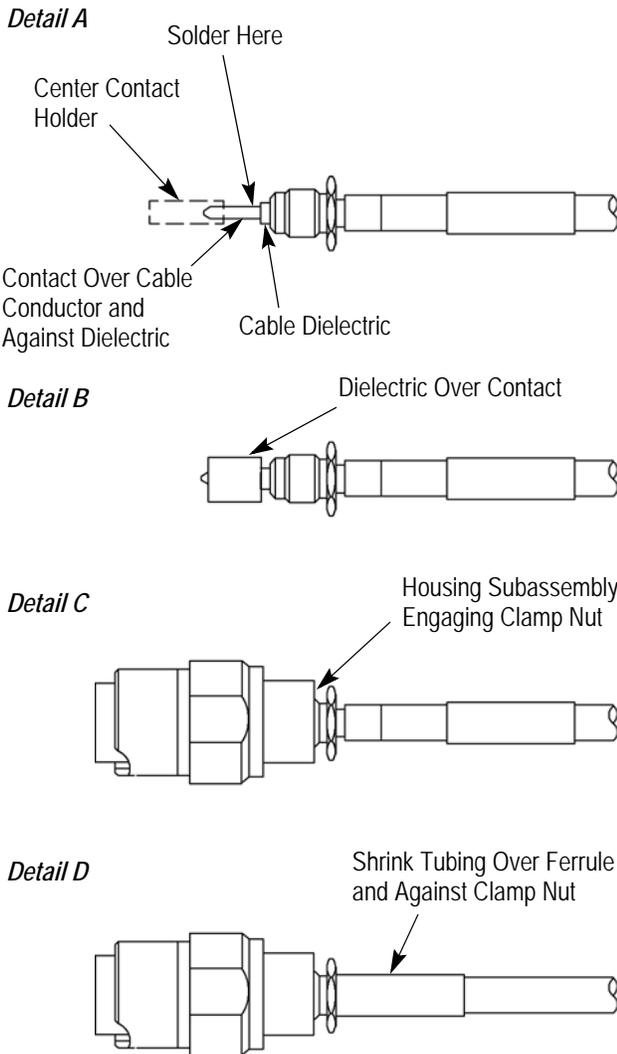


Figure 4

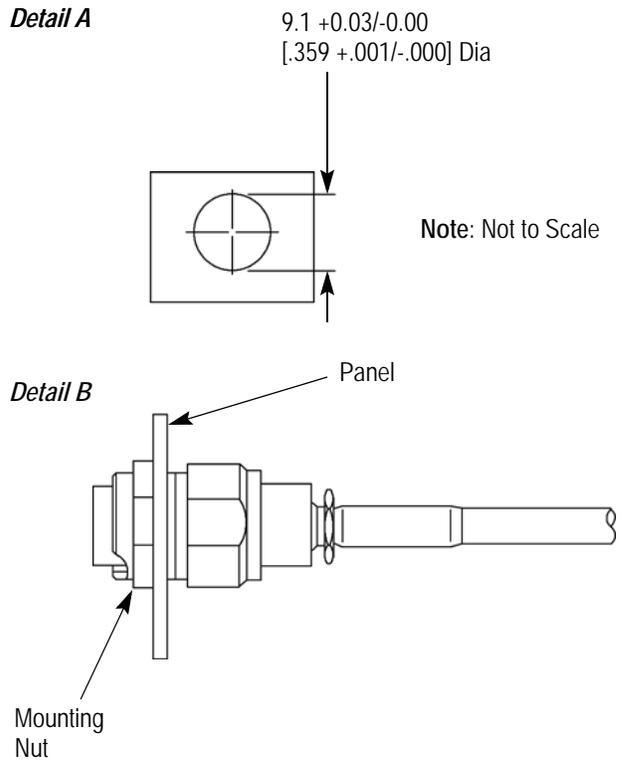


Figure 5

4. REPLACEMENT AND REPAIR

DO NOT re-use a terminated contact, housing subassembly, ferrule, or shrink tubing by removing the wire.

Components of the jack are not repairable. Discard and replace any defective or damaged components.

5. REVISION SUMMARY

Updated document to corporate requirements.