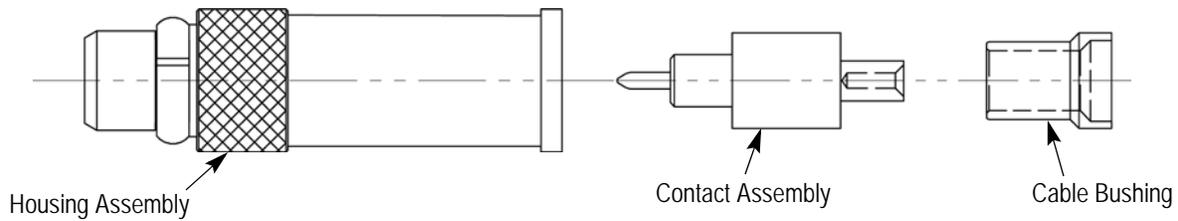


MMCX Straight Cable Plug Connector



TE Connectivity Part Number	Description	Cable
1408148-1	MMCX Straight Cable Plug, Crimp Attachment	RG178, RG196
1408148-2	MMCX Straight Cable Plug, Crimp Attachment	OMNI-FLEX 200

Figure 1

1. INTRODUCTION

This instruction sheet contains the assembly procedure for the MMCX Straight Cable Plug Connectors listed in Figure 1. This connector is a crimp attachment type connector that attaches to the flexible cable listed in Figure 1.

NOTE Dimension on this sheet are in millimeters [with inches in brackets], unless otherwise specified. Figures are not drawn to scale.

The table in Figure 2 references the crimp tooling used to apply these connectors. The table includes tool descriptions, the TE part number, and the crimp configuration.

TOOL DESCRIPTION	PART NUMBER CROSS REFERENCE	
	TE PART NUMBER	CRIMP CONFIGURATION Contact (Sq) / Ferrule (Hex)
PRO-CRIMPER® III Hand Tool Frame	354940-1	--
Crimp Die (RG178, RG196)	1583696-1	0.70 [.028] / 2.67 [.105]
Crimp Die for OMNI-FLEX 200		

Figure 2

Reasons for revision can be found in Section 4.

2. DESCRIPTION

The MMCX Straight Cable Plug Connector consists of a housing assembly, a contact assembly, and a cable bushing. See Figure 1.

Also included is shrink tubing (for use with OMNI-FLEX 200 cable only).

3. ASSEMBLY PROCEDURE

DANGER Follow safety precautions included with the tools used for assembly.

3.1. Preparing the Cable

DANGER To avoid personal injury, be sure to use appropriate safety equipment, including gloves, when using cable stripping tools.

1. Strip the cable jacket according to the dimensions in Figure 3.

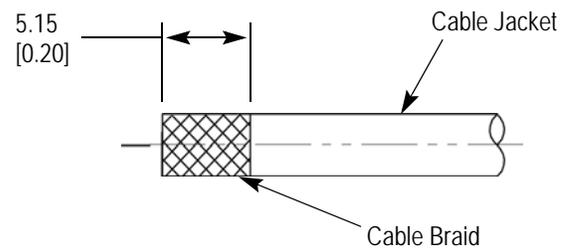


Figure 3

2. Slide the cable bushing onto the cable until the larger end butts against the cable jacket.

3. Fold the cable braid back over the cable bushing and strip the dielectric as shown in Figure 4.

CAUTION Do NOT damage the cable braid, dielectric, or inner conductor of the cable.

4. Push the contact assembly over the inner conductor so that it butts against the dielectric as shown in Figure 5.

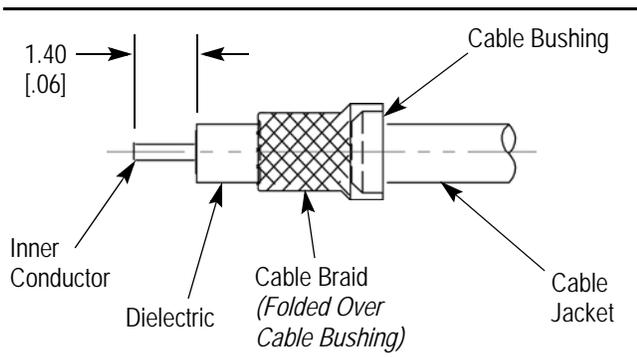


Figure 4

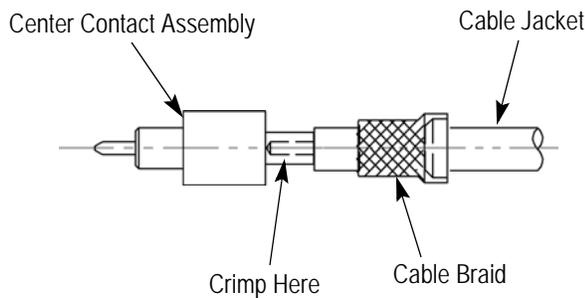


Figure 5

5. Crimp the contact assembly to the inner conductor using the crimp tooling listed in Figure 2.



Use the small chamber on crimp die to crimp the contact assembly.

6. Slide the housing assembly over the crimped center contact assembly and over the cable bushing until it bottoms (firmly). See Figure 6.

3.2. Crimping the Connector

Crimp the connector using the tooling listed in Figure 2. Be sure the crimp is symmetrical on the housing assembly. See Figure 7.

When using OMNI-FLEX 200 cable, slide the shrink tubing over the cable and crimped housing assembly. Heat the shrink tubing and shrink it into place. Refer to Figure 8.

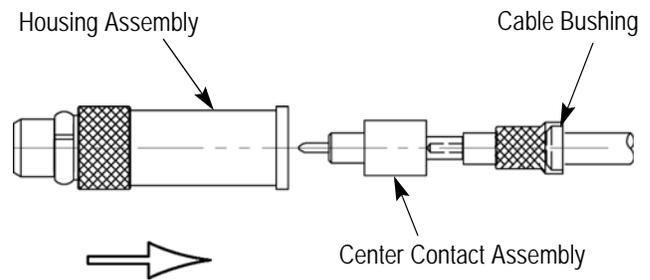
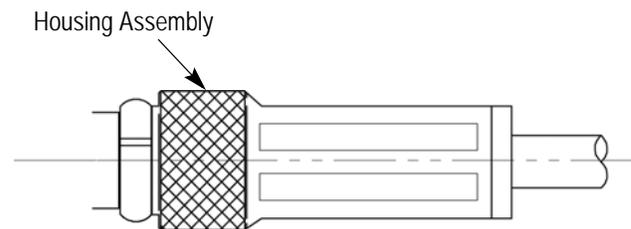
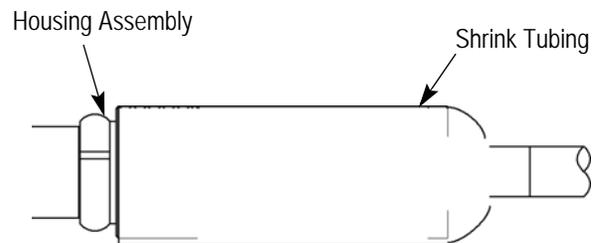


Figure 6



Crimp Using Tooling in Figure 2

Figure 7



Use Shrink Tubing with OMNI-FLEX 200 Cable Only

Figure 8

4. REVISION SUMMARY

Since the previous version of this document, the following changes were made:

- Changed hand tool name in Figure 2 to current version.
- Updated document to corporate requirements.