



Wiring Assembly Instructions

0884010-11 Contact, Receiver, Mini – Coax, RG316.



Fig. A. (Contact Sub-Assembly)



Contact Sub-Assembly Piece Parts.

Contact Crimp Information Table

Wire Type	Wire Awg.	Strip Length In Inches	Crimp Tool	Hex Die Set	Indicator	Selector No.	Heat-shrink Length X Dia.
RG316	26	A) 11/64" B) 1/4" C) 27/64	452300	452312	R	N/A	5/8 X 3/16

Test Requirements

Test Type	Voltage (Hi-pot Only)	Pull Test	Depth Gauge	Marker Settings
Hi-pot	500V DC	3lbs	412657	20 - 60

NOTE 1: Refer to **IPC/WHMA-A-620A** standard (Ch. 11.1.2) for cable lengths, measurements and tolerance.

NOTE 2: Overall length of cable should be less 3/8" to compensate for the contact attachment.

STEP 1) From the "Contact Crimp Information" Table, use the crimp tool and hex die set listed.

STEP 2) Ensure hex die, is set to correct indicator as listed in "Contact Crimp Information" Table.

NOTE: Refer to **Fig. B** for reference.

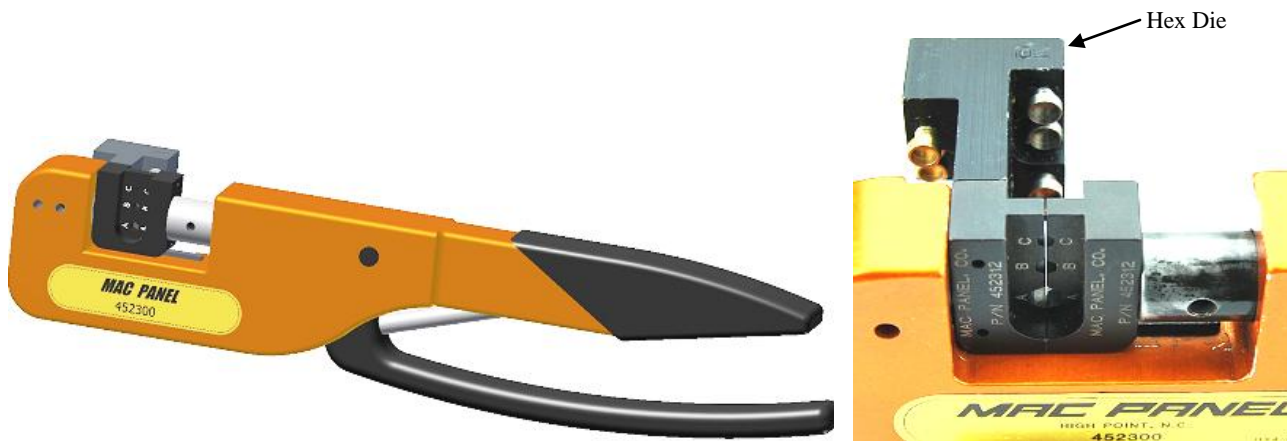


Fig. B.

Detail A.

STEP 3) Using a ruler along with wire strippers or automatic wire stripping machine, strip the cable to the dimensions in the "Strip Length" column. Example of stripped wire shown below in Fig. C

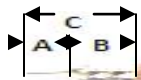


Fig. C.

STEP 4) Tin center pin and center wire. Insert cable center wire into center conductor and solder in place.

Fig. D and E



Fig. D.



Fig. E.

STEP 5) Ensure dielectric is fully seated in shell. Slide shell assembly onto center conductor/cable sub-assembly until fully seated as shown in Fig. F.



Fig. F.

STEP 6) Evenly form shielding over contact as shown in Fig. G.



Fig. G.

STEP 7) Slide crimp ring over shield and up to contact until firmly seated in Fig. H.



Fig. H

STEP 8) Inspect contact/cable assembly using depth gauge listed in "Test Requirements" Table. Fig. J.

NOTE: Calibrate gauge using reference sheet IN 412657 (Instructions for calibrating Depth Gauge) before using.

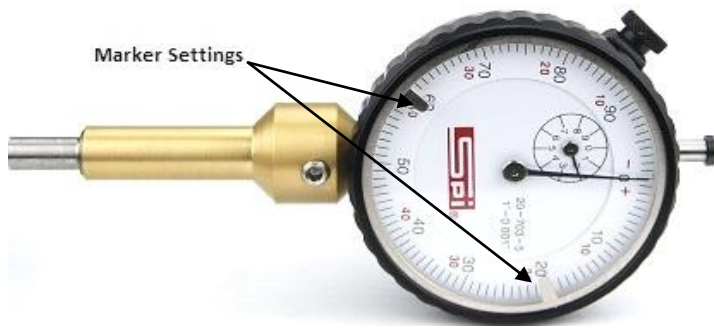


Fig. K.

STEP 11) Test contact by inserting contact/cable assembly fully into test gauge, until seated firmly. **Fig. L.**

STEP 12) Gently tap top of pin gauge to ensure that gauge is seated fully to bottom of center contact pin.

STEP 13) Hold contact/cable assembly, and test gauge firmly, proceed to take measurement. **Fig. M**



Fig. L.

STEP 14) Results should be between the "Marker Settings". Listed on the "Test Requirements" Table.

NOTE: Do not proceed to step 15 if results are unacceptable.(Repeat steps 3 through 13).

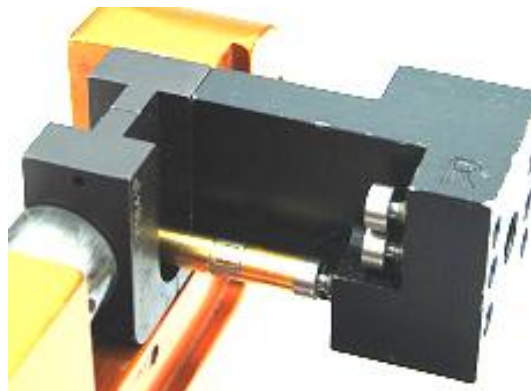
STEP 15) Use crimp tool, and crimp large diameter of crimp ring in location **(A)** of hex die **Fig. M.**

STEP 16) Crimp small diameter of crimp ring in location **(B)** of hex die. **Fig. N.**

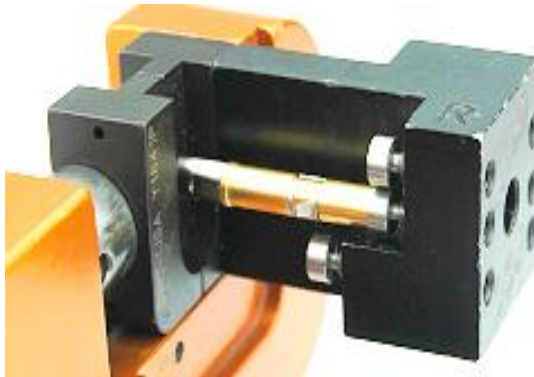
NOTE: Make sure the contact seats properly in the stops aligned with locations on hex die **Figs. M and N** details.



Fig. M. (Front View)



Detail (Back View)

**Fig. N. (Front View)****Detail (Back View)**

STEP 17) Perform a "pull and return test" as per IPC/WHMA-A-620A standard (Ch. 19.7.2.1) utilizing a pull force of 3lbs.

STEP 18) Gauge crimped contact/cable assembly again using the depth gauge (steps 10 to 16). The reading should still be within range.

STEP 19) Perform a "Hi-pot" test to the settings listed in "Test requirements". If a "pass" test occurs proceed to next step.

STEP 20) Shrink heat-shrink onto crimp ring, to match the image below in **Fig. P**, to complete cable assembly.

**Fig. P.**

NOTE: Shrink-tube is to provide strain-relief.