

**ANDREW**

INSTALLATION INSTRUCTIONS

BULLETIN 37224B

CONNECTORS FOR FSJ1-50 SUPERFLEXIBLE HELIAX® COAXIAL CABLE

Type Number	Termination	Mating Connector	Fig. 1 A Dim. in. (mm)	Fig. 1 B Dim. in. (mm)	Fig. 4 C Dim. in. (mm)
41SP	Type UHF Plug	SO-239A	1-19/32 (40)	11/16 (17)	— —
41SW	Type N Plug	UG-23	29/32 (23)	13/32 (10)	39/64 (15)
40622	Type BNC Plug	UG-89	3/4 (19)	15/64 (6)	9/32 (7)
41SWT	Type TNC Plug	TNC Jack	11/16 (17)	13/64 (5)	9/32 (7)

TOOLS AND MATERIALS REQUIRED FOR ASSEMBLY

Garnet cloth	Scale, 6 in. (150 mm)	Soldering iron (50 watt max.)
Knife	Soft solder (rosin core)	Solvent, comothene, vythene or
Wire brush	Wrenches (2) 7/16 in.	other non-flammable cleaning fluid

READ THE INSTRUCTIONS THOROUGHLY BEFORE ASSEMBLY

STEP 1. Cut cable as shown in Figure 1. Cable end must be square. New cut can be made with sharp knife in sawing motion. Use straight-edged piece of paper around cable to guide jacketing cut. Clean outer conductor with solvent. Cut off outer conductor and foam with knife. Use knife to remove burrs. Use wire brush to remove copper particles from foam. Continue with Steps 2 and 3 for Type 41SP connector. For Types 41SW, 40622, and 41SWT connectors, read soldering techniques in Step 2 and proceed with Steps 4 and 5.

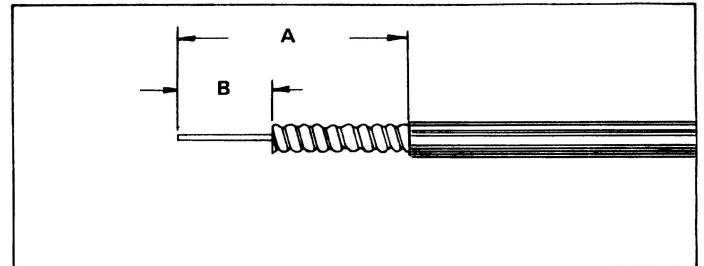


FIGURE 1

STEP 2. Slide UHF coupling nut onto cable with knurled end toward cable end. Add adaptor until flush with end of outer conductor. See Figure 2. Soft solder adaptor to outer conductor. Use soldering iron or gun and rosin core solder. Avoid excessive heat. Keep inner conductor centered. Apply heat to adaptor to draw solder into hole. Wipe away excess solder and cool connection with damp cloth. Clean connection with garnet cloth. Do not use emery cloth or steel wool.

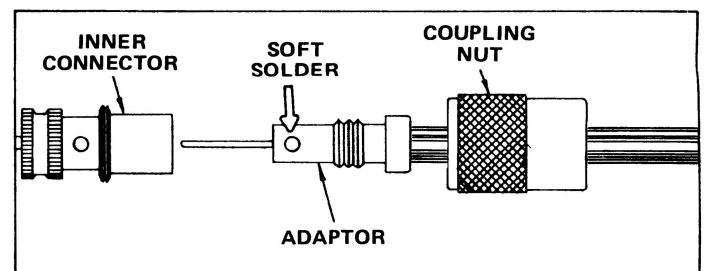


FIGURE 2

Andrew Corporation 10500 W. 153rd St.
Orland Park, IL U.S.A. 60462

Andrew Antenna Company Ltd.
Whitby, Ontario, Canada

Andrew Antennas
Lochgelly, Fife, Great Britain

Andrew Antennas
Campbellfield, Victoria, Australia

Andrew Antenas Limitada
Sorocaba, SP, Brazil

Antenas de Transmisión S.A de C.V
México, D.F. México

Antennes Andrew S.A.R.L.
Buc, France

Andrew Corporation
Tokyo, Japan

Andrew GmbH
Munich, West Germany

Andrew S.R.L.
Milan, Italy

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STEP 3. Screw UHF inner connector firmly onto adaptor. Soft solder connector to adaptor and to inner conductor as shown in Figure 3. Clean connection. Screw coupling nut onto inner connector until nut spins freely.

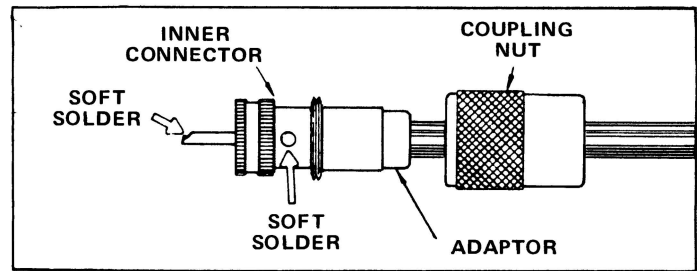


FIGURE 3

STEP 4. Slide Type N, BNC or TNC adaptor onto cable until flush with end of outer conductor. See Figure 4. Soft solder adaptor to outer conductor. Slip inner connector onto inner conductor until it bottoms against inner conductor. Check reference "C" dimension in table. Soft solder inner connector to inner conductor.

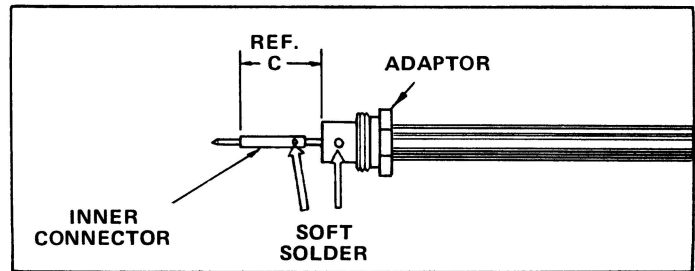


FIGURE 4

STEP 5. Screw Type N, BNC, or TNC coupling nut onto adaptor as shown in Figure 5. Tighten connection with wrenches. Turn coupling nut only; do not turn adaptor. Correct gap between coupling nut and adaptor after tightening should be approximately 3/32 in. (2 mm).

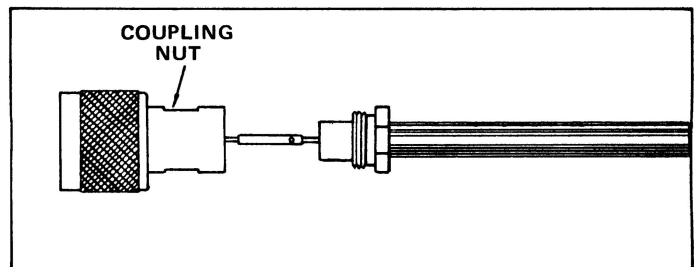


FIGURE 5