

## SEMI-RIGID CABLE SOLDERING TIPS

- Always avoid excessive heat when soldering.
- Use an active flux such as Kester #2331 when soldering semi-rigid cable to nickel-plated connector bodies.
- Fixture cable and solder ferrule or cable and connector body firmly when soldering to the jacket of semi-rigid cable.
- Work rapidly during soldering operations and cool the new joints by brushing with alcohol.
- Carefully follow the semi-rigid cable manufacturer's instructions for cable thermal cycling procedures.

## CONNECTOR MATING TIPS

- Before joining connectors, inspect mating surfaces for dirt, dust, debris and bent or broken contacts.
- When mating connectors, always turn the coupling nut rather than the body.
- In general, the tighter you make the coupling mechanism, the better the performance. However, many connectors are destroyed by over-torquing the coupling nut. Paired connectors tend to be inductive due to gaps of various types.
- Use a torque wrench for mating threaded adapters or cable assembly terminations when the reciprocal connector is mounted to equipment. Over torquing of plugs can damage the instrument mounted jack and the adapter or cable connector. This will also void most equipment warranties.

## STANDARD/METRIC CONVERSIONS

### LENGTH

Inch x 25.40 = Millimeters  
 Millimeters x 0.03937 = Inches  
 Feet x 0.3048 = Meters  
 Miles x 1.609 = Kilometers

### MASS

Ounce x 28.35 = Gram  
 Gram x 0.03527 = Ounce  
 Pound x 0.4536 = Kilogram  
 Kilogram x 2.205 = Pound  
 Kilogram/lm x 0.6214 = Pounds/kft  
 Pounds/kft x 1.4881 = Kilogram/km

### AREA

Sq. Inch x 6.452 = Sq. Centimeter  
 Sq. Centimeter x 0.1550 = Sq. Inch  
 Sq. Foot x 0.0929 = Sq. Meter  
 Sq. Meter x 10.76 = Sq. Foot  
 Sq. Miles x 2.590 = Sq. Kilometer  
 Sq. Kilometer x 0.3861 = Sq. Miles  
 Circular Mil x 0.7854 = Sq. Mil

### VOLUME

Cu. Inch x 16.39 = Cu. Centimeter  
 Cu. Cm. x 0.06102 = Cu. Inch  
 Cu. Foot x 0.02832 = Cu. Meter  
 Cu. Meter x 35.31 = Cu. Foot

## MILITARY / UG CONNECTOR & ADAPTER CROSS REFERENCE

PLATING AND MATERIAL MAY DIFFER FROM MILITARY SPECIFICATION CONNECTOR.

M23329/4-01 .....	RFT-1202-2	UG-146A/U .....	RFN-1035-1	UG-27A/U .....	RFN-1012-1	UG-57B/U .....	RFN-1014-1
M23329/4-03 .....	RFT-1202-2B	UG-175/U .....	RFU-530	UG-27B/U .....	RFN-1012-1	UG-58A/U .....	RFN-1021
M23329/4-05 .....	RFT-1203-1	UG-175/U .....	RFU-530-S	UG-27B/U .....	RFN-1012-1		RFN-1021-1
MS39012/32-00001 .....	RFT-1227	UG-176/U .....	RFU-531	UG-27C/U .....	RFN-1012-1	UG-603/U .....	RFN-1904-1N
MS39012/34-00001 .....	RFT-1226	UG-176/U .....	RFU-531-1	UG-27D/U .....	RFN-1012-1		RFN-1904-1S
MS39012/35-00001 .....	RFT-1228	UG-176/U .....	RFU-531-S	UG-28A/U .....	RFN-1011-1	UG-603A/U .....	RFN-1904-1N
PL-258 .....	RFU-536	UG-1785/U .....	RFB-1106-2	UG-290/U .....	RFB-1115-S		RFN-1904-1S
PL-259 .....	RFU-500		RFB-1106-2ST	UG-290A/U .....	RFB-1115	UG-606/U .....	RFN-1023-5
PL-259 .....	RFU-501		RFB-1106-2T		RFB-1115-S	UG-646/U .....	RFU-532
PL-259 .....	RFU-503	UG-1789/U .....	RFB-1107-2	UG-29B/U .....	RFN-1013-1	UG-680/U .....	RFN-1022-1
PL-259 .....	RFU-504	UG-1812/U .....	RFB-1110-S	UG-29D/U .....	RFN-1013-1	UG-680A/U .....	RFN-1022-1
PL-274 .....	RFU-537	UG-2014A/U .....	RFN-1037-1	UG-30/U .....	RFN-1023	UG-83/U .....	RFN-1036-1
SO-239 .....	RFU-521	UG-201A/U .....	RFN-1037-1	UG-301/U .....	RFN-1034-1	UG-83B/U .....	RFN-1036-1
SO-239 .....	RFU-521-ST	UG-21B/U .....	RFN-1002-1N	UG-306/U .....	RFB-1132	UG-88/U .....	RFB-1100-1ST
SO-239-2H .....	RFU-522	UG-21B/U .....	RFN-1002-1S	UG-306A/U .....	RFB-1132	UG-88C/U .....	RFB-1100-1ST
SO-239-FM .....	RFU-523	UG-21E/U .....	RFN-1002-1N	UG-306B/U .....	RFB-1132	UG-88D/U .....	RFB-1100-1
SO-239-FM .....	RFU-523-T	UG-21E/U .....	RFN-1002-1S	UG-30C/U .....	RFN-1023		RFB-1100-1ST
SO-239-RM .....	RFU-524	UG-21G/U .....	RFN-1002-1N	UG-30D/U .....	RFN-1023	UG-88E/U .....	RFB-1100-1ST
SO-239-SH .....	RFU-523	UG-21G/U .....	RFN-1002-1S	UG-30E/U .....	RFN-1023	UG-89/U .....	RFB-1119
UG-1034/U .....	RFN-1040-1	UG-23D/U .....	RFN-1024-1	UG-349B/U .....	RFN-1038-1	UG-89/U .....	RFB-1121
UG-107B/U .....	RFN-1010-1	UG-23F/U .....	RFN-1024-1	UG-349B/U .....	RFN-1039-1	UG-89B/U .....	RFB-1119
UG-1094/U .....	RFB-1116	UG-255A/U .....	RFB-1136	UG-363/U .....	RFU-537	UG-89C/U .....	RFB-1119
	RFB-1116-NG	UG-260D/U .....	RFB-1105	UG-491/U .....	RFB-1133	UG-913/U .....	RFB-1110-S
	RFB-1116-SG	UG-261C/U .....	RFB-1720	UG-491A/U .....	RFB-1133	UG-913A/U .....	RFB-1110-S
UG-109A/U .....	RFB-1116	UG-273/U .....	RFB-1137	UG-491B/U .....	RFB-1133	UG-914/U .....	RFB-1134
UG-1185/U .....	RFN-1002-1N	UG-274B/U .....	RFB-1130	UG-492/U .....	RFB-1135	UG-959A/U .....	RFB-1101-1EN
UG-1185A/U .....	RFN-1002-1N		RFB-1130-1		RFB-1135-T		
UG-1186A/U .....	RFN-1024-1	UG-274C/U .....	RFB-1130	UG-492D/U .....	RFB-1135		
UG-146/U .....	RFN-1035-1		RFB-1130-1		RFB-1135-T		

Reference

