

QWL

thermocouple contacts

Available from Amphenol is a complete line of cylindrical connectors featuring thermocouple contact insert arrangements. The design of these contacts is such that standard shell components and resilient inserts are used in the assemblies. Thermocouple contacts are available in all arrangements which contain size 12 and 16 pins and sockets, and feature probe-proof, closed entry design for the socket contacts. MS-approved and other commercial arrangements may be ordered with thermocouple contacts substituted for the standard contacts. All thermocouple contact layouts may contain either iron, alumel, chromel, constantan, standard (copper) or brass (dummy) contacts. The resulting assembly will be identified with an Amphenol® part number.

IDENTIFICATION

For the purpose of wiring identification, thermocouple contacts are marked in accordance with the following color code which agrees with the wire code.

Chromel. White
Alumel Green
Iron Black
Constantan Yellow

This identification is made by means of small dots of stain on solder well end of the contact and is in accordance with the listing shown above.

WIRE WELL DATA

Contact Size		12	16
Well Inside Diameter	+ .004 - .002	.125	.094
Well Depth	+ .031 - .000	.250	.188
Solder Well Barrel Outside Diameter		.166±.003	.125 ^{+ .002} - .004

RECOMMENDED WIRE:

- I Chromel – Alumel: Use wire in accordance with AN-W-29
- II Iron – Constantan: Use wire in accordance with AN-W-8b