

Thermocouple Contacts For Model MTC Connectors Economical Design HPC Series

- ✓ Crimp-Type Attachment
- ✓ Contacts Are Colour-Coded
- ✓ Accessories Available
- ✓ Hollow Pin Construction
- ✓ 0.8 to 0.5 mm Stranded Wire

OMEGA™ push-in crimp-style contacts are manufactured from thermocouple alloy materials and are colour-coded for easy identification. Contacts are crimp-terminated outside the connector assembly and inserted into the appropriate cavity by means of an insertion tool. They can be readily removed from the connector assembly using a special removal tool. Sealing plugs are available to seal unused positions in lieu of pin or socket.

Important Notes

1. MS Standard Assembly Tools are required to crimp and assemble connectors properly. Order with first purchase.
2. Match pins and sockets to thermocouple alloys—Example: A 12-cavity connector carries 6 thermocouple circuits (pairs) requiring: 6 positive alloy pins or sockets and 6 negative alloy pins or sockets per body.
3. Order bodies in mating pairs. Style MC mates with both style FF and style FC.
4. Backshell cable clamps are recommended with each in-line style connector.

To Order

Specify Connector Body, Contacts and Backshell (See Note 1).

Example: In-line connectors for 6 type J (Iron-Constantan) thermocouple circuits (pairs).

Male Connector Assembly

1. Body: **MTC-12-MC**
2. Pins:
 - (+) Pos. Alloy, **HPC-IR-P**, 1 pkg. (6 required)
 - (-) Neg. Alloy, **HPC-CO-P**, 1 pkg. (6 required)
3. Backshell: **MTC-12-SHL**

Female Connector Assembly

1. Body: **MTC-12-FC**
2. Sockets:
 - (+) Pos. Alloy, **HPC-IR-S**, 1 pkg. (6 required)
 - (-) Neg. Alloy, **HPC-CO-S**, 1 pkg. (6 required)
3. Backshell: **MTC-12-SHL**



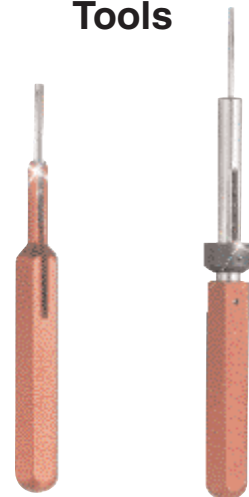
Recommended For Use With Stranded Wire. See Page 193

Material	Thermocouple Type (IEC Symbol)
Iron/Constantan	J
CHROMEGLA™/ALOMEGA™	K
Copper/Constantan	T
CHROMEGLA™/Constantan	E

Assembly Tools



Ratchet Action Easy-to-Use! Specially designed MS standard crimping tool **MUST** be used to crimp wires to pins and sockets properly. Ratchet action ensures a complete crimp every time.



Insertion Tool
MTC-IT
£32

Removal Tool
MTC-RT
£41.50

Thermocouple Alloy and Gold-Plated Copper Contacts for Multipin Connectors

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Alloy Type	Coding Colour Letter	Pins (Male)	Price pkg of 20	Sockets (Female)	Price pkg of 20
Iron (+)	BLK M	HPC-IR-P	£40.00	HPC-IR-S	£67.00
Constantan (-)	YEL N	HPC-CO-P	67.00	HPC-CO-S	67.00
Copper (+)	RED C	HPC-CU-P	54.00	HPC-CU-S	54.00
CHROMEGLA™ (+)	WHT P	HPC-CH-P	46.00	HPC-CH-S	67.00
ALOMEGA™ (-)	GRN R	HPC-AL-P	46.00	HPC-AL-S	67.00
*Gold-Plated (Uncompensated)	Colour Bands†	HPC-AU-P	10.00	HPC-AU-S	13.50

Sealing plugs, model no. **MTC-HP**, £0.35 each.

* For use with non-thermocouple wire in same body.

Grommets available. Consult Sales Department for price and delivery.

† Pins have red, yellow and brown colour bars; sockets have red, blue and black colour bars.



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