

Multipin Design Thermocouple Connectors

Model MTC with 200°C (392°F)
Maximum Service Temperature

Visit omega.com/connector_dimensions
Detailed Dimensions



Shown actual size.

Visit omega.com for multipair extension cable.

Shown with In-Line Cable Connector with Optional Backshell Cable Clamp

MTC Series

For Five-Cavity Female Flanged Connector—Pins Sold Separately

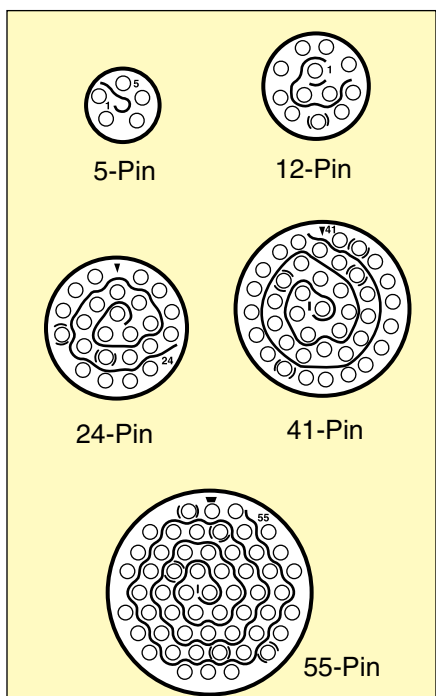
- ✓ Thermocouple Alloy Pins
- ✓ Air and Moisture Resistant Connection
- ✓ Removable Crimp Contacts
- ✓ 20 to 24 AWG Stranded Wire
- ✓ Aluminum Shells
- ✓ Black Anodized Finish
- ✓ Threaded Coupling

OMEGA® sturdy multipin connectors provide an efficient means of joining multiwire thermocouple cables. They can be used with multiple OMEGA® extension wire for rapid, convenient connections and for dismantling an apparatus without handling individual sensors.

Although MTC PINS do not carry a MIL. SPEC. NUMBER, they do meet the performance requirements of MIL-C-26500E and are intermateable with MIL-C-26500 connectors.

When used with MTC Series pins, the connector design utilizes a combination of resilient and rigid dielectric insulators to eliminate internal air voids and prevent the passage of air and moisture into or through the connector. Connectors can withstand ambient temperatures to 200°C (392°F), contributing to an extended connector life.

Recommended for Use With Stranded Wire



Contact cavities are identified with a spiral guide line indicating cavity sequence. The first and last cavities are numbered and every tenth cavity is bracketed.



Multipin Connector Bodies*

To Order Visit omega.com/mtc_conn for Pricing and Details

| Number of Cavities | MC Male Cord | FC Female Cord | FF Female Flanged | Backshell Cable Clamp** |
|--------------------|--------------|----------------|-------------------|-------------------------|
| 5 | MTC-5-MC | MTC-5-FC | MTC-5-FF | MTC-5-SHL |
| 12 | MTC-12-MC | MTC-12-FC | MTC-12-FF | MTC-12-SHL |
| 24 | MTC-24-MC | MTC-24-FC | MTC-24-FF | MTC-24-SHL |
| 41 | MTC-41-MC | MTC-41-FC | MTC-41-FF | MTC-41-SHL |
| 55 | MTC-55-MC | MTC-55-FC | MTC-55-FF | MTC-55-SHL |

* Contacts not included. Order from next page.
 ** Backshell cable clamps provide effective support for the cable at the male or female connector and prevent twisting and pulling.
Ordering Examples: MTC-55-FC, multipin connector body. MTC-24-FF, female flanged connector.