

Multipin Design Thermocouple Connectors

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

connector dimensions
Detailed Dimensions

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

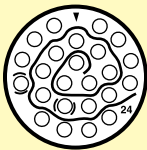
Recommended for Use
With Stranded Wire



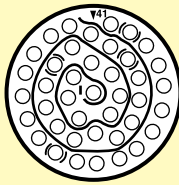
5-Pin



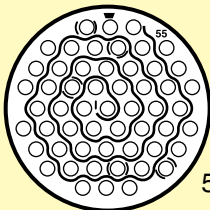
12-Pin



24-Pin



41-Pin



55-Pin

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.



Shown
actual size.

Visit omega.com for
multipair extension cable.

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

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

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.

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

Style
FF



Flange
mounted
receptacle
with threaded
coupling. Uses
sockets only.

Style
MC and FC



In-line
cable
connectors
with
threaded
couplings.
Style MC uses
pins; style FC uses sockets.

Style
FC



Style
SHL



Multipin Connector Bodies*

To Order		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.