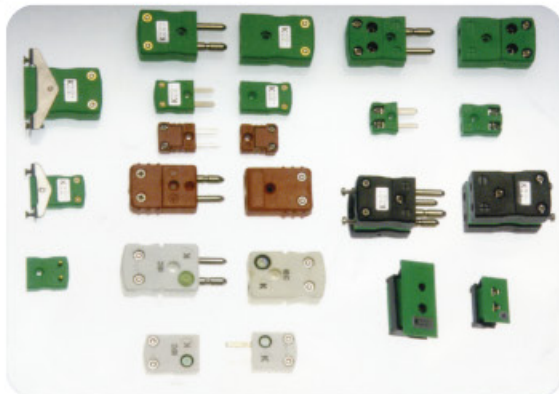
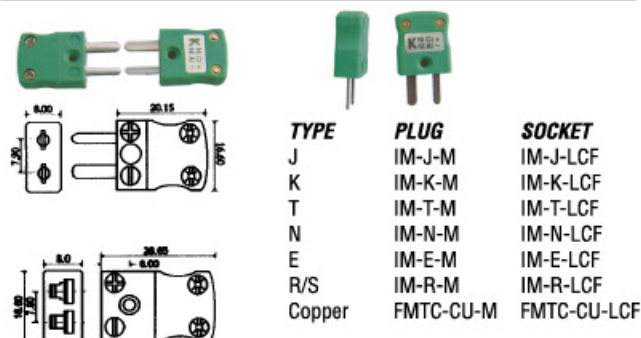


THERMOCOUPLE & RESISTANCE THERMOMETER CONNECTORS



- Designed and manufactured under strict ISO EN 9000:2000 disciplines
- Full compliance to IEC & CENELEC specifications
- ANSI, DIN, JIS colour coding available on request
- Contacts made from thermocouple material or copper
- Calibration type J,K,T,N,E,R & S
- Uncompensated connectors B (grey) & Cu (white) for use additionally with resistance thermometers
- Terminal cable clamping plates
- Polarised pins guarantee correct polarity
- Compatibility with other makes of connectors
- 3 pin versions available
- 4 pin miniature suitable for thermocouples and resistance thermometers
- Wide range of accessories
- Custom labelling on request
- Unassembled line connectors for ease of termination available in packs of 100

MINIATURE PLUGS & SOCKETS Types J,K,T,N,E,R/S & Copper



EXTENSION v COMPENSATING CABLE

Extension cable is designated X (e.g. KX for type K); compensating cable has a C designation (e.g. KC for type K) and consists of Vx and U types. Extension cable has a temperature vs e.m.f. relationship to an appropriate standard over the complete temperature range. It can, therefore, be used for producing a thermocouple junction and for joining thermocouples to their measuring instruments. It is limited in temperature only by the rating of its insulation.

Compensating cable is of different composition to extension cable but has a similar temperature v e.m.f. relationship over a limited range, and **should only be used for joining thermocouples to their measuring instruments**. It can only be used in limited ambient temperature, generally not higher than 80°C.

SELECTING YOUR CABLES

Guide to Cable Insulation and Coverings

Which insulation Material?	usable temperature range	Application Notes
PVC	-10°C to 105°C	Good general purpose insulation for "light" environments. Waterproof and very flexible.
PFA (extruded)	-75°C to 250°C	Resistant to oils, acids other adverse agents and fluids. Good mechanical strength and flexibility. PTFE better for steam/elevated pressure environments
PTFE (taped & wrapped)	-75°C to 250/300°C	Resistant to oils, acids other adverse agents and fluids. Good mechanical strength and flexibility.
Glassfibre (varnished)	-60°C to 350/400°C	Good temperature range but will not prevent ingress of fluids. Fairly flexible but does not provide good mechanical protection.
High temperature glass fibre	-60°C to 700°C	Will withstand temperature up to 700°C but will not prevent ingress of fluids. Fairly flexible, not good protection against physical disturbance.
Ceramic Fibre	0 to 1000°C	Will withstand high temperature, up to 1000°C. Will not protect against fluids or physical disturbance.
Glassfibre (varnished) stainless steel overbraid	-60°C to 350/400°C	Good resistance to physical disturbance and high temperature (up to 400°C). Will not prevent ingress of fluids.

PFA/PTFE INSULATED, TWIN TWISTED PAIR Types J,K,T & N

PTFE

T/C Type	Size (mm)	IEC PART No.
Type J	1/0.2	WJ-244
Type J	1/0.508	WJ-246
Type J	7/0.2	WJ-243
Type K	1/0.2	WK-200
Type K	1/0.315	WK-201
Type K	1/0.508	WK-202
Type K	7/0.2	WK-303
Type K	10/0.12	XS-699
Type T	1/0.2	WT-300
Type T	1/0.315	WT-301
Type T	7/0.2	WT-303
Type N	1/0.2	WN-120
Type N	7/0.2	WN-140

Lengths of 25 & 100m

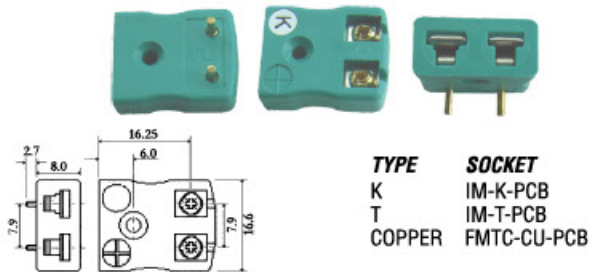
PFA

T/C Type	Size (mm)	IEC PART No.
Type K	1/0.2	WK-203
Type K	7/0.2	XS-752
Type K	1/0.3	WK-204
Type T	1/0.508	WT-302
Type T	1/0.3	WT-306
Type T	1/0.2	WT-304

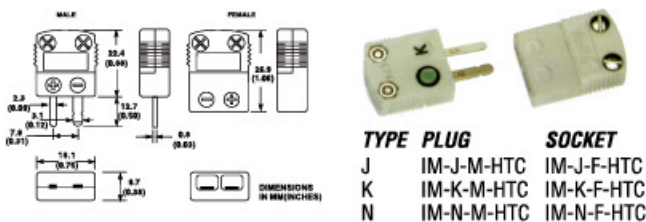
Lengths of 25 & 100m



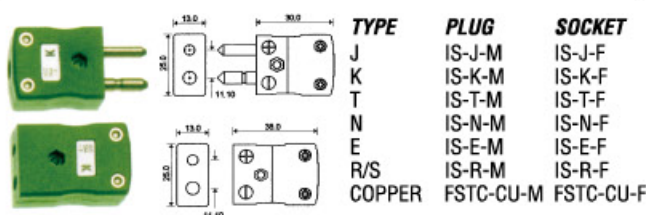
MINIATURE PCB MOUNTING SOCKET TYPES K,T & Copper



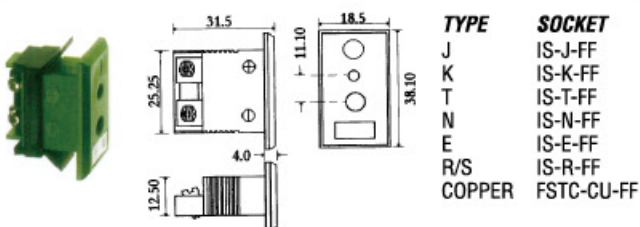
MINIATURE VERY HIGH TEMPERATURE, CERAMIC PLUGS & SOCKETS Types J,K & N



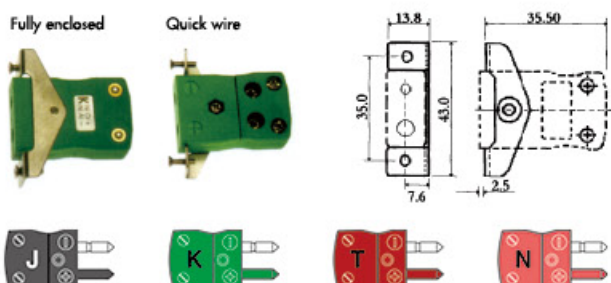
STANDARD PLUGS & SOCKETS Types J,K,T,N,E,R/S & copper



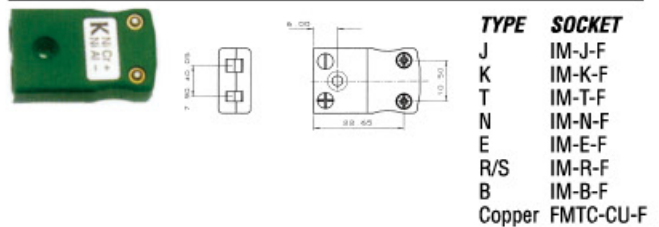
STANDARD RECTANGULAR PANEL MOUNTING FASCIA SOCKETS Types J,K,T,N,E,R/S & copper



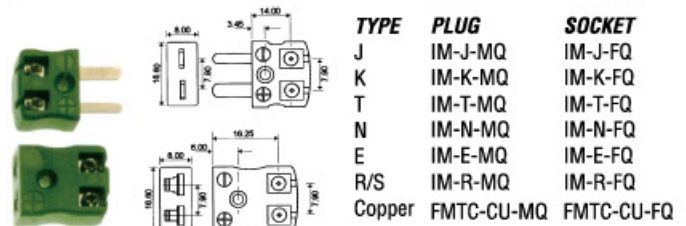
STANDARD PANEL OR QUICK WIRE SOCKET WITH MOUNTING BRACKET Types J,K,T,N,E,R/S & copper



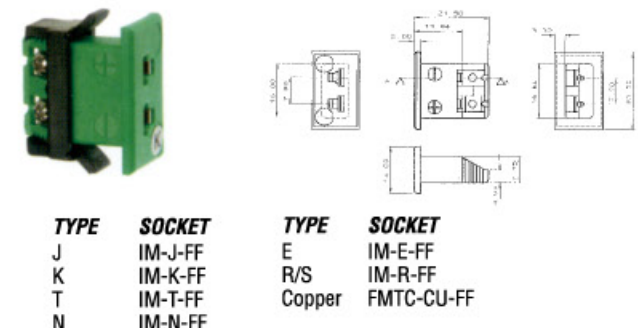
MINIATURE TWIN CONTACT SOCKET Types J,K,T,N,E,R/S & Copper



MINIATURE QUICK WIRE PLUGS & SOCKETS Types J,K,T,N,E,R/S & Copper



MINIATURE RECTANGULAR PANEL MOUNTING FASCIA SOCKETS Types J,K,T,N,E,R/S & Copper



MINIATURE PANEL SOCKET WITH MOUNTING BRACKET Types J,K,T,N,E,R/S & Copper

