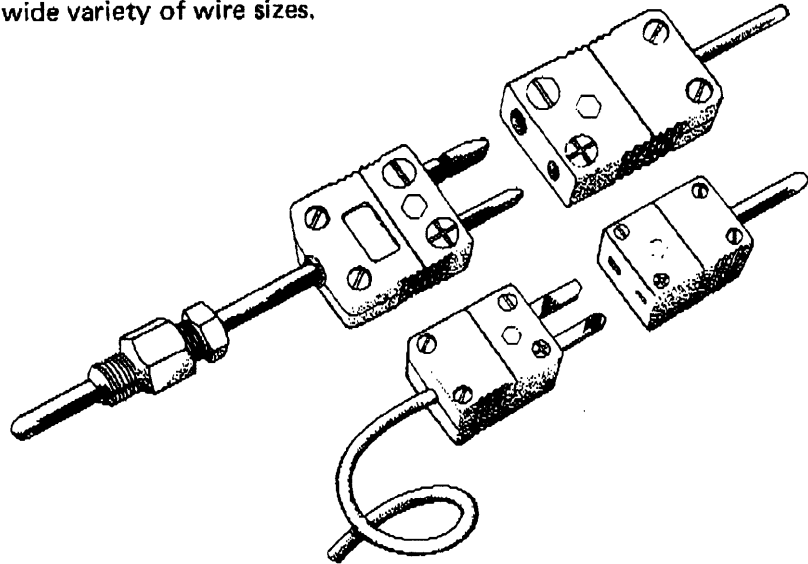


LABFACILITY
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THERMOCOUPLE CONNECTORS & PANELS

A family of precision plugs and sockets which easily accommodate a wide variety of wire sizes.



- Miniature and standard versions
- Compensated connections ensure high accuracy
- Types J, K, T, E, N, R and S or Copper-Copper
- Colour coding ensures clear identification
- Compatible with all other makes of equivalent connectors
- Polarised pins guarantee correct polarity
- Withstand high temperature, 220° continuous
- Rugged construction
- British made our own design and manufacture
- In line or panel mounting, single or multi-way
- Inexpensive
- Available from stock
- Miniature can be rigidly 'banked' for looming
- Suitable for PCB mounting
- Dual standard versions available
- Wide range of accessories available

Due to their location in often adverse environments such as hot working -zones of furnaces and machinery, thermosensors are liable to corrosion and mechanical damage. The need for occasional replacement is inevitable and the use of suitable connectors permits error-free fast, positive and reliable interchange with no risk of dangerous cross connection.

These new thermocouple plugs and sockets have a technical and practical advantage over other types when terminating thermocouple wires or compensating cable in a wide variety of sizes. The wires are sandwiched between plates of thermocouple compatible material with a clamping screw, accommodating from very fine wires to stranded cables (up to 0.5mm²).

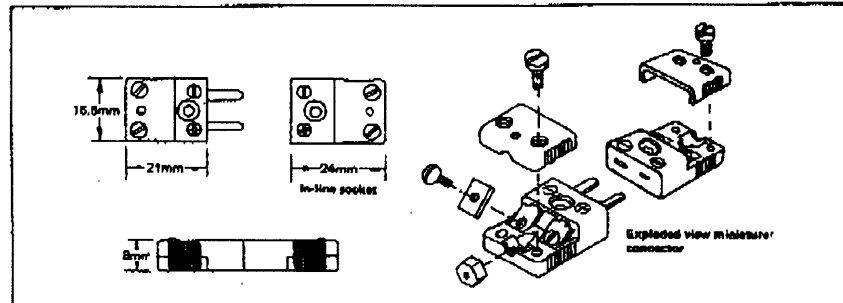
The connectors are colour coded and polarised and will mate with other makes of plugs and sockets. They can be mounted directly on to sheaths of up to 3mm diameter in the case of the miniature version or 1/4" (6.35mm) with the standard version by means of the brass bush available.

Note: Panel mounting (facia versions of the duplex socket are not available. The duplex plug will fit directly into two adjacent facia sockets, or can be used with two single in-line sockets.

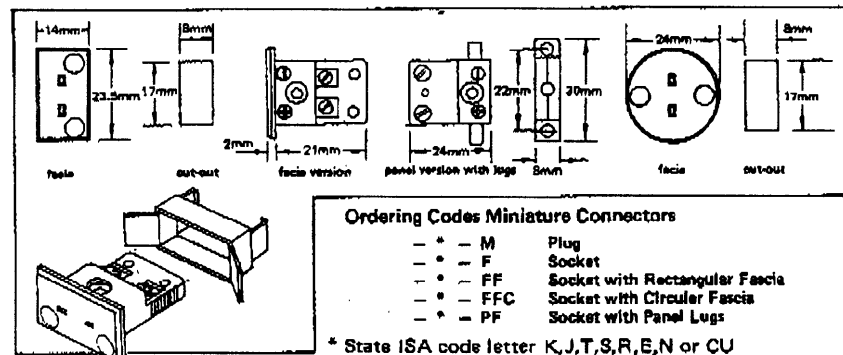
Stainless steel adaptors for brazing on to tubing permit the duplex connectors to be mounted directly on to the sensor assembly.

Please refer to separate leaflet

Miniature Connectors – In-Line



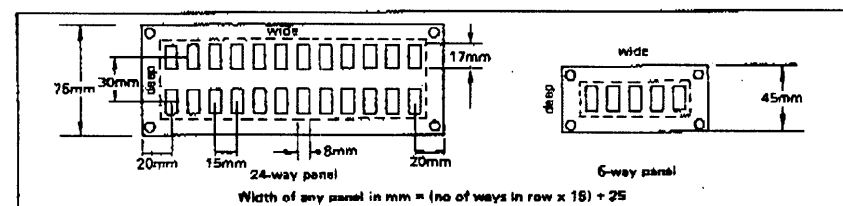
Panel mounting Miniature Socket



Fascia versions are supplied with push-on nylon spring clips for easy fitting. Fascia versions are supplied without terminal cover plate.

A range of stainless steel plug adaptors for crimping on to probes is available – details on request.

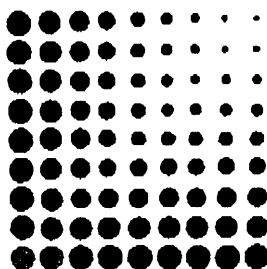
Panels for Miniature Connectors



Ordering Codes – Panels for Miniature Connectors

FMP – 1	1 way	FMP – 10	10 way
FMP – 2	2 way	FMP – 12	12 way
FMP – 3	3 way	FMP – 16	16 way
FMP – 4	4 way	FMP – 18	18 way
FMP – 5	5 way	FMP – 20	20 way
FMP – 6	6 way	FMP – 24	24 way
FMP – 8	8 way	Up to 12 ways in a single row. 16 to 24 ways in two rows.	

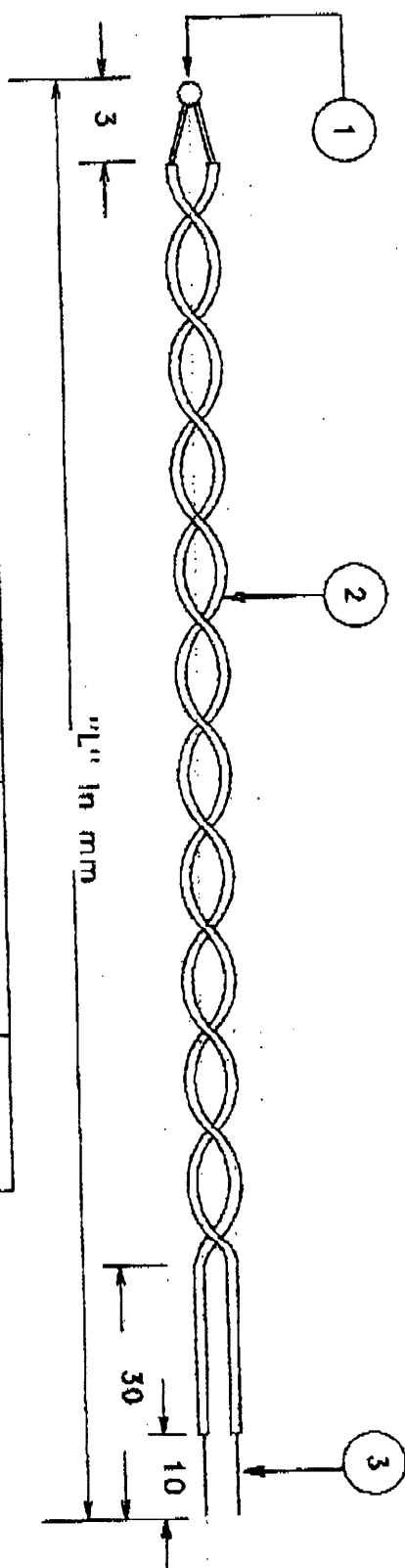
NOTE: Sockets are not included and rectangular fascia versions must be specified. FMP Panels are for use only with FMTC-FF sockets and not the alternative FMTC-PF type.



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sets



IF IN DOUBT ASK

Farnell No.	Supplier Part No.	T/C Type	Colour Code	L in mm
707-6150	Z2-K-1m(IEC)	K	+ve Green / -ve White	1000
707-6126	Z2-K-2m(IEC)	K	+ve Green / -ve White	2000
707-6174	Z2-T-1m(IEC)	T	+ve Brown / -ve White	1000
707-6186	Z2-T-2m(IEC)	T	+ve Brown / -ve White	2000
541-023	Z2-K-1m	K	+ve Brown / -ve Blue	1000
146-879	Z2-K-2m	K	+ve Brown / -ve Blue	2000
541-035	Z2-T-1m	T	+ve White / -ve Blue	1000

1	EXPOSED JUNCTION, MATED SEC'D.
2	WIRE INSULATED THAN TWISTED PAIR 7/G WIRE 10.02MM INSULATION TEMP RATING -75 TO 250 C
3	Bare wire tails
ITEM	DESCRIPTION

REVISION	MODIFICATION			APP'D	DATE	UNLESS OTHERWISE STATED DIMENSIONS ARE IN INCH.	SCALE:	TOLERANCES: X +/- 0.4 X.X +/- 0.2 X.XX +/- 0.1	FINISH:	TITLE: Pipe Insulated Exposed Junction TC	USEP 046 Formell	 LABFACTORY TEMPERATURE TECHNOLOGY		DRAWING No.	DRAWN	DATE	VERSION
B	Black heel shrink removed from joints.	GW	01/98	NAH	05/97										GW		
														ISSUE	B		

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