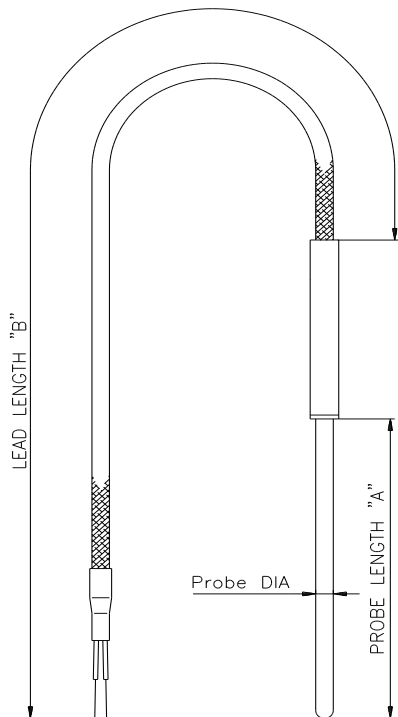


# MINIATURE MI-CABLE THERMOCOUPLES

single with SS braided lead wire



## Specifications:

|                                       |   |  |
|---------------------------------------|---|--|
| Probe type                            | : | mineral insulated single thermocouple  |
| Thermocouple type                     | : | iron-constantan, type J<br>chromel-alumel, type K<br>copper-constantan, type T   |
| Standard limits of error              | : | IEC 584.2  |
| Insulation material                   | : | densely packed MgO, 99,6 purity  |
| Sheath material                       | : | SS 316 for J and T<br>Inconel 600 for type K   |
| Hot junction                          | : | insulated  |
| Minimum insulation resistance         | : | 10 Mohm at ambient temperature with 200 V DC; this can drop below 1 Mohm under certain conditions, but will be regained if the complete thermocouple reaches temperatures over 100°C |
| Lead wire                             | : | glass fibre insulated flexible thermocouple<br>wire with stainless steel braiding (G/GS);<br>positive wire identified with polarity mark   |
| Upper temperature limit for lead wire | : | 500 °C   |
| Max. temperature transition           | : | 500 °C   |
| Probe length 'A'                      | : | to be specified; replace box in ordering code with your required length  |
| Lead wire length 'B'                  | : | to be specified; replace box in ordering code with your required length  |
| For accessories                       | : | see separate datasheet   |

See B/100 for explanation of codes and alternative constructions.

## Ordering code:

### Probe diameter

1,0 mm (1/25")  
1,6 mm (1/16")  
3,2 mm (1/8")  
4,8 mm (3/16")  
6,4 mm (1/4")

### Calibration J

|             | 'A' | 'B' |
|-------------|-----|-----|
| MTS-20101-J | □   | □   |
| MTS-20161-J | □   | □   |
| MTS-20321-J | □   | □   |
| MTS-20481-J | □   | □   |
| MTS-20641-J | □   | □   |

### Calibration K

|             | 'A' | 'B' |
|-------------|-----|-----|
| MTS-20103-K | □   | □   |
| MTS-20163-K | □   | □   |
| MTS-20323-K | □   | □   |
| MTS-20483-K | □   | □   |
| MTS-20643-K | □   | □   |

### Calibration T

|             | 'A' | 'B' |
|-------------|-----|-----|
| MTS-20101-T | □   | □   |
| MTS-20161-T | □   | □   |
| MTS-20321-T | □   | □   |
| MTS-20481-T | □   | □   |
| MTS-20641-T | □   | □   |

□ = probe length 'A' and lead wire length 'B' in mm (to be specified)