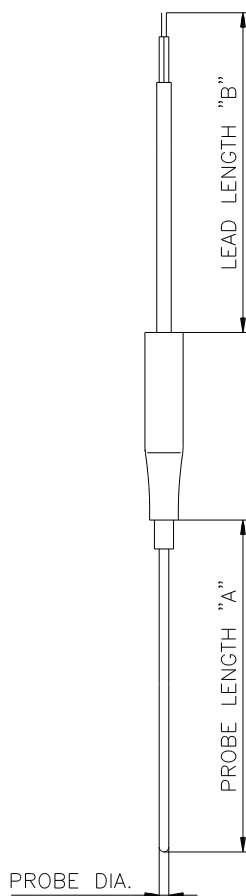


# SUB MINIATURE MI-CABLE THERMOCOUPLES

with flexible lead wire



## Specifications:

|                               |   |                                                                                                             |
|-------------------------------|---|-------------------------------------------------------------------------------------------------------------|
| Probe type                    | : | mineral insulated single thermocouple                                                                       |
| Probe diameter                | : | 1,0 mm, 0,5 mm or 0,25 mm                                                                                   |
| Thermocouple type             | : | iron-constantan, type J<br>chromel-alumel, type K<br>copper-constantan, type T<br><br>nisl-nicrosil, type N |
| Standard limits of error      | : | IEC 584.2                                                                                                   |
| Insulation material           | : | densely packed MgO                                                                                          |
| Sheath material               | : | SS 321 for type J and T 0,5 mm;<br><br>SS 304 for type T 1,0 mm; and<br><br>Inconel 600 for type K and N    |
| Hot junction                  | : | insulated                                                                                                   |
| Minimum insulation resistance | : | 10 Mohm at ambient temperature with<br>50 V DC                                                              |
| Termination                   | : | kapton insulated flexible lead wire<br>(HF/D-30) with bare ends                                             |
| Transition diameter / length  | : | 3,2 mm / 35 mm                                                                                              |
| Probe length 'A'              | : | to be specified; replace box in ordering<br>code with your required length                                  |
| Lead length 'B'               | : | to be specified; replace box in ordering<br>code with your required length                                  |

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

## Ordering code:

| Calibration | Probe Ø 1,0 mm     | Probe Ø 0,5 mm     | Probe Ø 0,25 mm    |
|-------------|--------------------|--------------------|--------------------|
|             | 'A' 'B'            | 'A' 'B'            | 'A' 'B'            |
| Type J      | MTS-56100-J-□-□-mm | MTS-56050-J-□-□-mm |                    |
| Type K      | MTS-56100-K-□-□-mm | MTS-56050-K-□-□-mm | MTS-56025-K-□-□-mm |
| Type T      | MTS-56100-T-□-□-mm | MTS-56050-T-□-□-mm |                    |
| Type N      | MTS-56100-N-□-□-mm | MTS-56050-N-□-□-mm | MTS-56025-N-□-□-mm |

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