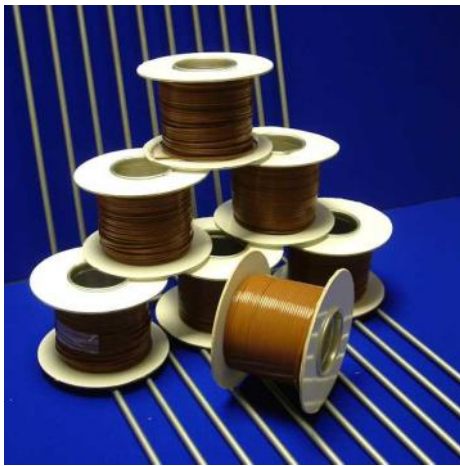


The preferred method of temperature measurement for pharmaceutical validation purposes is the Copper/Constantan type 'T' thermocouple.

- ALWAYS manufactured from type T thermocouple material conforming to IEC 60584-1:2013 class 1. This gives a tolerance of +/- 0.5°C across the range -40°C to 125°C
- PFA Extruded : Smooth, easy to clean.
- PFA Twisted: Easy thermocouple preparation.
- PTFE Lapped: Tightly wrapped insulation minimises capillary action.
- Kapton®: For high temperature applications such as depyrogenation.

Wire is supplied in 100m lengths, and is Class 1 material and IEC colours.



| Insulation Material | Conductor Format | Max Temp °C |
|---------------------|------------------|-------------|
| PFA Extruded        | 1/0.3mm          | 250°C       |
|                     | 1/0.5mm          | 250°C       |
|                     | 3/0.2mm          | 250°C       |
|                     | 7/0.2mm          | 250°C       |
|                     | 13/0.2mm         | 250°C       |
| PFA Twisted         | 1/0.3mm          | 250°C       |
|                     | 1/0.5mm          | 250°C       |
| PTFE Lapped         | 1/0.3mm          | 250°C       |
|                     | 1/0.5mm          | 250°C       |
| Kapton®             | 1/0.3mm          | 300°C*      |
|                     | 7/0.2mm          | 300°C*      |

\* Kapton® can go to 350°C for short periods

## Datasheet : 030