

T-101

THERMOCOUPLE CABLE

PTFE TWISTED PAIR - 260°C



JSS 51034, ANSI MC 96.1

Voltage Grade : 300/500V

SPECIFICATIONS

| | |
|-----------------|---|
| Conductor | : Solid, Multistranded Thermocouple Grade Materials as per ASTM E230 / 77 & IEC5843 |
| Insulation | : PTFE Insulation |
| Construction | : Twisted |
| Operating Temp. | : 260°C |
| Limits of Error | : According to ASTM E230 / 77 |
| Color Code | : According to ANSI MC 96.1 |

FEATURES

- ✓ Max. Temp. upto 260°C
- ✓ Excellent Heat Resistant
- ✓ Outstanding Insulating Properties
- ✓ Good Thermal Stability
- ✓ Flame Retardant
- ✓ Passes JSS 51034 Flame Test

AVAILABLE OPTIONS

- ✓ Metal braiding
- ✓ Fibreglass braided
- ✓ Polyimide Insulated
- ✓ Special Color Code
- ✓ Calibration Test Report

CONSTRUCTION DETAILS AND DIMENSIONS

| CABLE SIZE | NO. OF STRANDS | STRAND DIAMETER (mm) | AREA OF CONDUCTOR (mm) ² | BARE CONDUCTOR DIA.(mm) | FORMATION | CABLE DIMENSION (mm)(max.) | CABLE WT. (APPROX.) (gm/meter) |
|------------|----------------|----------------------|-------------------------------------|-------------------------|-----------|----------------------------|--------------------------------|
| T101 | 7 | 0.122 | 0.08 | 0.36 | Twisted | 1.8 | 4.0 |
| T102 | 7 | 0.152 | 0.12 | 0.45 | Twisted | 2.2 | 4.2 |
| T103 | 7 | 0.2 | 0.22 | 0.57 | Twisted | 2.4 | 6.8 |
| T104 | 7 | 0.274 | 0.42 | 0.81 | Twisted | 3.4 | 12.5 |
| T105 | 3 | 0.711 | 1.2 | 1.39 | Twisted | 4.2 | 35.0 |
| T106 | 7 | 0.160 | 0.14 | 0.48 | Twisted | 2.1 | 6.0 |
| T107 | 1 | 0.510 | 0.2 | 0.51 | Twisted | 2.2 | 7.0 |
| T108 | 7 | 0.274 | 0.45 | 0.82 | Twisted | 2.8 | 14.0 |
| T109 | 1 | 0.810 | 0.5 | 0.81 | Twisted | 3.0 | 15.0 |
| T110 | 7 | 0.300 | 0.5 | 0.9 | Twisted | 3.1 | 15.0 |
| T111 | 1 | 1.020 | 0.81 | 1.02 | Twisted | 3.3 | 23.0 |
| T112 | 14 | 0.300 | 1 | 1.26 | Twisted | 3.8 | 26.0 |
| T113 | 1 | 1.290 | 1.3 | 1.29 | Twisted | 4.6 | 40.0 |
| T114 | 19 | 0.300 | 1.3 | 1.52 | Twisted | 4.8 | 40.0 |
| T115 | 40 | 0.200 | 1.25 | 1.42 | Twisted | 4.7 | 35.0 |
| T116 | 21 | 0.300 | 1.5 | 1.55 | Twisted | 4.9 | 45.0 |
| T117 | 1 | 1.788 | 2.5 | 1.788 | Twisted | 5.4 | 65.0 |
| T118 | 56 | 0.300 | 4 | 2.53 | Twisted | 6.6 | 95.0 |

ORDERING CODE

| Conductor Size | Type of T/C | Grade of Conductor | No. of Pairs | Color Code | Cable Formation |
|----------------|---|--------------------|--------------|--------------------------------|-----------------|
| (TXXX) | (X) | (X) | (XX) | (X) | (X) |
| 101 to 118 | K T J E N R S D B | T X C | 01 | A-(ANSI) I-(IEC) J-(JIS) | T-(Twisted) |

Table 1