

S-101

THERMOCOUPLE CABLE SILICON - SILICON INSULATED - 200°C



IS 9968, ANSI MC 96.1

Voltage Grade : 300/500V

SPECIFICATIONS

| | |
|------------------|--|
| Conductor | : Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1 |
| Insulation | : Silicon Insulation |
| Construction | : Twisted |
| Outer Jacket | : Silicon Insulated |
| Operating Temp.: | 200°C |
| Limit of Error | : According to ASTM E230 / 77 / IEC 584 |
| Color Code | : According to ANSI MC 96.1 |

FEATURES

- ✓ Max. Temp. Up to 200°C
- ✓ Excellent Resistance to Ozone & Corona Effect
- ✓ Higher Flexibility
- ✓ Easier Solder Termination
- ✓ Good Moisture, Chemical Abrasion Resistance

AVAILABLE OPTIONS

- ✓ Metal Coverings
- ✓ Metal & Taped Shielding
- ✓ Tighter Than Special Limit Accuracy Tolerance
- ✓ Special Colour Code
- ✓ Calibration Test Report
- ✓ Available upto 1.1 KV

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) |
|------------|----------------|----------------------|-------------------------------------|-------------------------|-----------|----------------------------|-------------------------------|
| S101 | 7 | 0.152 | 0.12 | 0.46 | Twisted | 3.72 | 18 |
| S102 | 7 | 0.16 | 0.14 | 0.48 | Twisted | 3.8 | 19 |
| S103 | 1 | 0.51 | 0.2 | 0.51 | Twisted | 4.62 | 32 |
| S104 | 7 | 0.2 | 0.22 | 0.59 | Twisted | 4.7 | 33 |
| S105 | 7 | 0.274 | 0.42 | 0.81 | Twisted | 5.22 | 37 |
| S106 | 14 | 0.2 | 0.45 | 0.84 | Twisted | 5.33 | 38 |
| S107 | 1 | 0.81 | 0.5 | 0.81 | Twisted | 5.22 | 37 |
| S108 | 7 | 0.300 | 0.5 | 0.89 | Twisted | 5.5 | 39 |
| S109 | 24 | 0.2 | 0.75 | 1.1 | Twisted | 6.3 | 55 |
| S110 | 14 | 0.3 | 1 | 1.26 | Twisted | 6.7 | 65 |
| S111 | 3 | 0.711 | 1.2 | 1.39 | Twisted | 7 | 75 |
| S112 | 40 | 0.2 | 1.25 | 1.42 | Twisted | 7.24 | 80 |
| S113 | 1 | 1.29 | 1.3 | 1.29 | Twisted | 7.5 | 87 |
| S114 | 19 | 0.3 | 1.3 | 1.52 | Twisted | 7.5 | 88 |
| S115 | 21 | 0.3 | 1.5 | 1.55 | Twisted | 7.55 | 82 |
| S116 | 35 | 0.3 | 2.5 | 2 | Twisted | 9 | 127 |

ORDERING CODE

| Conductor Size | Type of T/C | Grade of Conductor | No. of Pairs | Color Code | Cable Formation |
|----------------|---|--------------------|------------------------------------|--------------------------------|-----------------|
| (SXXX) | (X) | (X) | (XX) | (X) | (X) |
| 101 to 116 | K T J E N R S D B | T X C | 01 02 - - - - 24 | A-(ANSI) I-(IEC) J-(JIS) | T-(Twisted) |

Table 1