

**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 (SXXX)	Type of T/C (X)	Grade of Conductor (X)	No. of Pairs (XX)	Color Code (X)	Cable Formation (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