

# S-101

## THERMOCOUPLE CABLE

SILICON - SILICON INSULATED - 200°C



IEC 60584, IS 6380, ANSI MC 96.1

Voltage Grade : 600V

### SPECIFICATIONS

Conductor	: 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
- ✓ Halogen free

### 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 Oding Code	Wire Type	AWG / SWG No	No of Strands	Strain Dia (mm)	Cross Section Area (mm <sup>2</sup> )	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Twisted)	Cable Diameter mm (Flat)	Cable Wgt (Approx.) Kg/Km
S101	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted	5.2	-	31.0
S102	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted	5.7	-	40.0
S103	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	5.9	-	42.0
S104	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	6.1	-	46.0
S105	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	6.1	-	46.0
S106	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	6.3	-	48.0
S107	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	6.6	-	55.0
S108	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	6.6	-	55.0
S109	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	6.8	-	60.0
S110	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	7.0	-	65.0
S111	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	7.0	-	65.0
S112	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	7.0	-	65.0
S113	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	8.5	-	80.0
S114	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	8.2	-	85.0
S115	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	8.5	-	90.0
S116	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	8.5	-	102.0
S117	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	8.5	-	102.0
S118	Multistrand	21X29 AWG	30	0.25	1.55	1.55	Twisted	8.5	-	102.0
S119	Multistrand	21X29 AWG	7	0.53	1.50	1.55	Twisted	8.5	-	102.0
S120	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	8.5	-	102.0
S121	Multistrand	50X30 AWG	50	0.25	2.50	2.00	Twisted	10.4	-	140.0

**Note :** Above Parameters are considering single pair cable

### 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 121	K T J E N R S B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1