

S-301

THERMOCOUPLE CABLE

SILICON - FIBER GLASS - SS BRAIDING - 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	: Flat
Outer Jacket	: Fiber Glass Braiding
Overall Braiding	: Stainless Steel Wire Braiding.
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
- ✓ Excellent Heat Resistant
- ✓ Higher Flexibility
- ✓ Easier Solder Termination
- ✓ Good Moisture, Chemical Abrasion Resistance

AVAILABLE OPTIONS

- ✓ 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 Ordering Code	Wire Type	AWG / SWG No	No of Strands	Strain Dia (mm)	Cross Section Area (mm ²)	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Twisted)	Cable Diameter mm (Flat)	Cable Wgt (Approx.) Kg/Km
S301	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Flat	-	4.4 x 2.6	22.0
S302	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Flat	-	5.0 x 2.9	30.0
S303	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Flat	-	5.1x3.1	32.0
S304	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Flat	-	5.2x3.2	36.0
S305	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Flat	-	5.2x3.2	36.0
S306	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Flat	-	5.4x3.4	40.0
S307	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Flat	-	5.5x3.5	45.0
S308	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Flat	-	5.5x3.5	45.0
S309	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Flat	-	5.8x3.5	48.0
S310	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Flat	-	6.0x3.8	56.0
S311	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Flat	-	6.0x3.8	56.0
S312	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Flat	-	6.0x3.8	56.0
S313	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Flat	-	6.8x3.9	62.0
S314	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Flat	-	6.2x3.6	65.0
S315	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Flat	-	6.8x3.9	68.0
S316	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Flat	-	6.9x4.0	75.0
S317	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Flat	-	6.9x4.0	75.0
S318	Multistrand	21X29 AWG	30	0.25	1.55	1.55	Flat	-	6.9x4.0	75.0
S319	Multistrand	21X29 AWG	7	0.53	1.50	1.55	Flat	-	6.9x4.0	75.0
S320	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Flat	-	6.9x4.0	75.0
S321	Multistrand	50X30 AWG	50	0.25	2.50	2.00	Flat	-	8.8x5.0	106.0

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)
301 to 321	K T J E N R S B	T X C	01	A-(ANSI) I-(IEC) J-(JIS)	F-(Flat)

Table 1