

# A-101

## THERMOCOUPLE WIRE ALUMINA FIBER - ALUMINA FIBER INSULATED - 1200°C



ASTM E230/77, ANSI MC 96.1

### SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1
Insulation	: Alumina Fiber Insulation
Construction	: Flat
Outer Jacket	: Alumina Fiber Insulation
Operating Temp.	: 1200°C Maximum
Limit of Error	: According to ASTM E230 / 77 / IEC 584.

### FEATURES

- ✓ Max. Temp. Up to 1200°C
- ✓ High Temperature Range
- ✓ Higher Accuracy Same as Thermocouple
- ✓ Can Be Use as Thermocouple

### AVAILABLE OPTIONS

- ✓ Tighter Than Special Limit Accuracy Tolerance
- ✓ Special Colour Code
- ✓ Calibration Test Report

### CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding Code	Wire Type	AWG / SWG No	No of Strands	Strand Dia (mm)	Cross Section Area (mm <sup>2</sup> )	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Cable Diameter mm (Flat)	Nominal Cable Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
A101	Solid	32 AWG	1	0.20	0.03	0.20	Flat	1.7 x 1.1	-	7.0
A102	Solid	29 AWG	1	0.30	0.07	0.30	Flat	1.9 x 1.2	-	9.0
A103	Solid	24 AWG	1	0.51	0.20	0.51	Flat	2.9 x 1.9	-	15.0
A104	Solid	22 SWG	1	0.71	0.40	0.71	Flat	3.5 x 2.2	-	28.0
A105	Solid	20 AWG	1	0.81	0.50	0.81	Flat	3.6 x 2.3	-	30.0
A106	Solid	18 AWG	1	1.02	0.81	1.02	Flat	4.2 x 2.6	-	33.0
A107	Solid	17 AWG	1	1.13	1.00	1.13	Flat	4.3 x 2.7	-	35.0
A108	Solid	16 AWG	1	1.29	1.30	1.29	Flat	5.0 X 2.9	-	42.0
A109	Solid	17 SWG	1	1.38	1.50	1.38	Flat	5.2 x 3.1	-	48.0

Note : Above parameters are considering single pair cable

### ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Cable Formation
(AXXX)	(X)	(X)	(XX)	(X)
101 to 109	K N	T	01	F-(Flat)

Table 1