

A-101

THERMOCOUPLE WIRE

ALUMINA FIBER - ALUMINA FIBER INSULATED - 1200°C



ASTM E230/77, ANSI MC 96.1

Voltage Grade : 300/500V

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
Limit of Error	: According to ASTM E230 / 77 / IEC 584.
Color Code	: According to ANSI MC 96.1

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 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)
A101	7	0.152	0.12	0.46	Flat	2.8 X 1.6	8
A102	7	0.160	0.14	0.48	Flat	2.9 X 1.7	9
A103	1	0.510	0.2	0.51	Flat	3 X 1.8	11
A104	7	0.200	0.22	0.59	Flat	3.2 X 1.9	12
A105	7	0.274	0.42	0.81	Flat	3.6 X 2.1	15.5
A106	14	0.200	0.45	0.84	Flat	3.7 X 2.1	17
A107	1	0.810	0.5	0.81	Flat	3.6 X 2.1	19
A108	7	0.300	0.5	0.89	Flat	3.8 X 2.2	20
A109	24	0.200	0.75	1.1	Flat	4.2 X 2.4	27
A110	14	0.300	1	1.26	Flat	4.5 X 2.6	31
A111	3	0.711	1.2	1.39	Flat	4.9 X 2.8	38
A112	40	0.200	1.25	1.42	Flat	4.9 X 2.8	39
A113	1	1.290	1.3	1.29	Flat	4.7 X 2.7	41
A114	19	0.300	1.3	1.52	Flat	5.0 X 2.9	42
A115	21	0.300	1.5	1.55	Flat	5.3 X 2.9	44
A116	35	0.300	2.5	2	Flat	6.1 X 3.4	71

ORDERING CODE

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

Table 1