

C-101

THERMOCOUPLE WIRE CERAMIC FIBER - CERAMIC FIBER INSULATED - 800°C



SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1
Insulation	: Ceramic Fiber Insulation
Construction	: Flat
Outer Jacket	: Ceramic Fiber Insulation
Operating Temp.	: 800°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584.
Color Code	: According to ANSI MC 96.1

FEATURES

- ✓ Max. Temp. Up to 800°C
- ✓ High Temperature Range
- ✓ Higher Accuracy Same as Thermocouple
- ✓ Can Be Use as Thermocouple.
- ✓ 1000°C for short time use

AVAILABLE OPTIONS

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

ASTM E230/77, ANSI MC 96.1

CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding Code	Wire Type	AWG / SWG No	No of Strands	Strand Dia (mm)	Cross Section Area (mm ²)	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Cable Diameter mm (Flat)	Nominal Cable Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
C101	Solid	32 AWG	1	0.20	0.03	0.20	Flat	1.8 x 1.4	-	8.5
C102	Solid	29 AWG	1	0.30	0.07	0.30	Flat	2.3 x 1.6	-	10.0
C103	Solid	24 AWG	1	0.51	0.20	0.51	Flat	3.1 x 2.1	-	17.0
C104	Solid	22 SWG	1	0.71	0.40	0.71	Flat	3.7 x 2.4	-	31.0
C105	Solid	20 AWG	1	0.81	0.50	0.81	Flat	3.6 x 2.3	-	33.0
C106	Solid	18 AWG	1	1.02	0.81	1.02	Flat	4.2 x 2.6	-	36.0
C107	Solid	17 AWG	1	1.13	1.00	1.13	Flat	4.4 x 2.8	-	38.0
C108	Solid	16 AWG	1	1.29	1.30	1.29	Flat	5.1 X 3.0	-	46.0
C109	Solid	17 SWG	1	1.38	1.50	1.38	Flat	5.3 x 3.2	-	51.0

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
(CXXX)	(X)	(X)	(XX)	(X)	(X)
101 to 109	K J E N	T	01	A-(ANSI) I-(IEC) J-(JIS)	F-(Flat)

Table 1