

F-101

THERMOCOUPLE CABLE

**FIBER GLASS - FIBER GLASS INSULATED
- 550°C**



IS 8784, ANSI MC 96.1

Voltage Grade : 300/500V

SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1
Insulation	: Braided or Lapped Fiber with Silicon Varnish, High Temp. Saturated
Construction	: Twisted / Flat
Outer Sheath	: Braided or Lapped Fiber with Silicon Varnish, High Temp. Saturated
Operating Temp. :	550°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584
Color Code	: According to ANSI MC 96.1

FEATURES

- ✓ Max. Temp. Up to 550°C
- ✓ Excellent Physical Properties
- ✓ Excellent Di-Electric Constant
- ✓ High Temperature Stability
- ✓ High Thermal Endurance
- ✓ Good Moisture, Chemical Abrasion Resistance

AVAILABLE OPTIONS

- ✓ Double Fiber Braid Insulation
- ✓ Metal Coverings
- ✓ 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)
F101	1	0.51	0.2	0.51	T / F	2.2	11
F102	7	0.2	0.22	0.59	T / F	2.4	12
F103	7	0.3	0.5	0.89	T / F	3	22
F104	1	0.81	0.5	0.81	T / F	2.9	20
F105	3	0.711	1.2	1.39	T / F	4.6	40
F106	1	1.290	1.3	1.29	T / F	4.4	42
F107	7	0.152	0.12	0.46	T / F	2	6.36
F108	7	0.16	0.14	0.48	T / F	2.1	7.95
F109	7	0.274	0.42	0.81	T / F	3.22	15.8
F110	14	0.2	0.45	0.84	T / F	3.3	17.7
F111	24	0.2	0.75	1.1	T / F	4	24.5
F112	14	0.3	1	1.26	T / F	4.4	33
F113	40	0.2	1.5	1.42	T / F	4.74	42.5
F114	19	0.3	1.3	1.52	T / F	4.94	44
F115	21	0.3	1.5	1.55	T / F	5.05	42
F116	1	1.29	1.3	1.29	T / F	4.5	44
F117	1	0.2	0.0314	0.2	T / F	1.2	4.7
F118	1	0.3	0.07	0.3	T / F	1.6	6.8

ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(FXXX)	(X)	(X)	(XX)	(X)	(X)
101 to 118	K T J E N R S D B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted) F-(Flat)

Table 1