

F-301

THERMOCOUPLE CABLE

FIBER GLASS - FIBER GLASS - SS
BRAIDING INSULATED - 600°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
Overall Braiding	: Stainless Steel Wire Braided
Operating Temp.	: 600°C
Limit of Error	: According to ASTM E230/77 / IEC 584
Color Code	: According to ANSI MC 96.1

FEATURES

- ✓ Max. Temp. Up to 600°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)
F301	1	0.51	0.2	0.51	T / F	2.7	15.6
F302	7	0.2	0.22	0.59	T / F	2.9	16
F303	7	0.3	0.5	0.89	T / F	3.5	28.1
F304	1	0.81	0.5	0.81	T / F	2.4	28
F305	24	0.2	0.75	1.1	T / F	4.4	35
F306	14	0.300	1	1.26	T / F	4.9	48
F307	3	0.711	1.2	1.39	T / F	5.6	52.6
F308	1	1.29	1.3	1.29	T / F	5	57
F309	21	0.3	1.5	1.55	T / F	5.5	64
F310	7	0.152	0.12	0.46	T / F	2.4	10.6
F311	7	0.16	0.14	0.48	T / F	2.5	13.32
F312	7	0.274	0.42	0.81	T / F	3.72	28.56
F313	14	0.2	0.45	0.84	T / F	3.8	29.1
F314	19	0.3	1.3	1.52	T / F	5.55	61.4
F315	19	0.2	0.6	0.98	T / F	4.2	37.8

ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(FXXX)	(X)	(X)	(XX)	(X)	(X)
301 to 315	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