

F-401

THERMOCOUPLE CABLE

POLYIMIDE - FIBER GLASS - FIBER GLASS - SS BRAIDING INSULATED - 600°C



JSS 51037, 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	: Polyimide Tapping with Braided or Lapped Fiber with High Temp. Varnish High Temp. Saturated
Construction	: Twisted / Flat
Outer Sheath	: Braided or Lapped Fiber with High Temp. Varnish High Temp. Saturated
Overall Braiding	: Stainless Steel Wire
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)
F401	1	0.510	0.2	0.51	T / F	3.3	18.2
F402	7	0.200	0.22	0.59	T / F	3.5	18.8
F403	7	0.300	0.5	0.89	T / F	4.5	31.5
F404	1	0.810	0.5	0.81	T / F	4.3	31.5
F405	24	0.200	0.75	1.1	T / F	4.9	42
F406	1	1.020	0.81	1.02	T / F	4.8	46.2
F407	14	0.300	1	1.26	T / F	5.3	52.5
F408	40	0.200	1.25	1.42	T / F	5.8	59.5
F409	21	0.300	1.5	1.55	T / F	6	69
F410	7	0.152	0.12	0.46	T / F	2.9	12.6
F411	7	0.160	0.14	0.48	T / F	3	13.3
F412	7	0.274	0.42	0.81	T / F	4.3	28.9
F413	14	0.200	0.45	0.84	T / F	4.4	29.56
F414	3	0.711	1.2	1.39	T / F	5.7	57.9
F415	1	1.290	1.3	1.29	T / F	5.5	63.5
F416	19	0.300	1.3	1.52	T / F	5.9	63.5

ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(FXXX)	(X)	(X)	(XX)	(X)	(X)
401 to 416	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