

F-601

THERMOCOUPLE CABLE

POLYIMIDE - FIBER GLASS - FIBER GLASS - ASBESTOS 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	: Asbestos Yarn
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)
F601	1	0.510	0.2	0.51	T / F	4.8	20
F602	7	0.200	0.22	0.59	T / F	5	21.2
F603	7	0.300	0.5	0.89	T / F	5.6	33
F604	1	0.810	0.5	0.81	T / F	5.4	33
F605	24	0.200	0.75	1.1	T / F	6.2	43
F606	1	1.020	0.81	1.02	T / F	6	46
F607	14	0.300	1	1.26	T / F	6.6	53
F608	40	0.200	1.25	1.42	T / F	7.2	62
F609	21	0.300	1.5	1.55	T / F	7.8	74
F610	7	0.152	0.12	0.46	T / F	3.5	14.5
F611	7	0.160	0.14	0.48	T / F	3.6	16.9
F612	7	0.274	0.42	0.81	T / F	5.4	32.5
F613	14	0.200	0.45	0.84	T / F	5.5	34.3
F614	3	0.711	1.2	1.39	T / F	6.9	65
F615	1	1.290	1.3	1.29	T / F	6.8	68.5
F616	19	0.300	1.3	1.52	T / F	7.7	68.5

ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(FXXX)	(X)	(X)	(XX)	(X)	(X)
601 to 616	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