

F-801

THERMOCOUPLE CABLE POLYIMIDE - FIBER GLASS - AL - MYLAR SCREEN - 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
Screening	: Al-Mylar Tape Screen with Drain wire
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)
F801	1	0.510	0.2	0.51	Twisted	3.9	27.6
F802	7	0.200	0.22	0.59	Twisted	4	28.3
F803	7	0.300	0.5	0.89	Twisted	4.8	41.5
F804	1	0.810	0.5	0.81	Twisted	4.7	41.5
F805	24	0.200	0.75	1.1	Twisted	5.4	51.5
F806	1	1.020	0.81	1.02	Twisted	5.4	58.2
F807	14	0.300	1	1.26	Twisted	6	64.3
F808	40	0.200	1.25	1.42	Twisted	6.3	73.5
F809	21	0.300	1.5	1.55	Twisted	6.6	81
F810	7	0.152	0.12	0.46	Twisted	3.6	23.5
F811	7	0.160	0.14	0.48	Twisted	3.7	24.9
F812	7	0.274	0.42	0.81	Twisted	4.7	37.6
F813	14	0.200	0.45	0.84	Twisted	4.8	38.9
F814	3	0.711	1.2	1.39	Twisted	6.2	71.6
F815	1	1.290	1.3	1.29	Twisted	6.1	76.5
F816	19	0.300	1.3	1.52	Twisted	6.5	76.5

ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(FXXX)	(X)	(X)	(XX)	(X)	(X)
801 to 816	K T J E N R S D B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1