

FP-101

THERMOCOUPLE CABLE

FEP - FEP INSULATED - 200°C



JSS 51034, ANSI MC 96.1

Voltage Grade : 600V

SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1
Insulation	: Extruded FEP Insulated
Construction	: Twisted / Flat
Outer Jacket	: Extruded FEP Insulated
Operating Temp.	: 200°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584
Color Code	: According to ANSI MC 96.1

FEATURES

Max. Temp. Up to 200°C
 Suitable for High Voltage Use
 Low Dielectric Constant
 Excellent Fire Retardant Property
 Smaller Diameter
 Good Mechanical Strength
 Good Flexibility
 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
 Available upto 1.1 KV

CONSTRUCTION DETAILS AND DIMENSIONS

Cable Ordering Code	Wire Type	AWG / SWG No	No of Strands	Strain Dia (mm)	Cross Section Area (mm²)	Nominal Bundled Conductor Dia (mm)	Cable Formation	Nominal Cable Diameter mm (Flat)	Nominal Cable Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
FP101	Solid	24 AWG	1	0.51	0.20	0.51	Twisted/Flat	2.5 x 1.5	2.5	11.5
FP102	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted/Flat	2.7 x 1.7	2.7	11.8
FP103	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted/Flat	3.1 x 1.9	3.1	16.2
FP104	Solid	22 SWG	1	0.71	0.40	0.71	Twisted/Flat	3.1 x 1.9	3.1	16.8
FP105	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted/Flat	3.2 x 2.0	3.2	17.2
FP106	Solid	20 AWG	1	0.81	0.50	0.81	Twisted/Flat	3.2 x 2.0	3.2	19.0
FP107	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted/Flat	3.6 x 2.2	3.6	19.0
FP108	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted/Flat	3.6 x 2.2	3.6	19.0
FP109	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted/Flat	3.7 x 2.3	3.70	20.5
FP110	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted/Flat	4.0 x 2.3	4	26.5
FP111	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted/Flat	4.0 x 2.3	4	26.5
FP112	Solid	18 AWG	1	1.02	0.81	1.02	Twisted/Flat	3.9 x 2.2	3.9	27.5
FP113	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted/Flat	4.1 x 2.4	4.1	29.0
FP114	Solid	17 AWG	1	1.13	1.00	1.13	Twisted/Flat	4.0 x 2.3	4	33.0
FP115	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted/Flat	4.5 x 2.6	4.5	33.0
FP116	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted/Flat	4.5 x 2.6	4.5	33.0
FP117	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted/Flat	4.5 x 2.6	4.5	33.0
FP118	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted/Flat	5.0 x 2.9	5	36.0
FP119	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted/Flat	4.6 x 2.7	4.6	38.0
FP120	Solid	16 AWG	1	1.29	1.30	1.29	Twisted/Flat	4.5 x 2.6	4.5	40.0
FP121	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted/Flat	5.0 x 2.9	5	43.0
FP122	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted/Flat	5.1 x 3.0	5.1	43.0
FP123	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted/Flat	5.1 x 3.0	5.1	43.0
FP124	Multistrand	7X24 AWG	7	0.53	1.50	1.55	Twisted/Flat	5.1 x 3.0	5.1	43.0
FP125	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted/Flat	5.1 x 3.0	5.1	43.0

Note : Above Parameters are considering single pair cable

ORDERING CODE

Conductor Size	Type of T/C	Grade of Conductor	No. of Pairs	Color Code	Cable Formation
(TFXXX)	(X)	(X)	(XX)	(X)	(X)
101 to 125	K T J E N R S C B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted) F-(Flat)

Table 1