

FP-401

THERMOCOUPLE WIRE

FEP - POLYIMIDE - COPPER SCREEN -
FEP - SS BRAIDING INSULATED - 200°C



JSS 51034, JSS 51038 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
Isolator	: Polyimide Tape
Screening	: Copper Screen
Outer Jacket	: Extruded FEP Insulated
Overall Covering	: Stainless Steel Wire.
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

- Metal Covering
- Tighter Than Special Limit Accuracy Tolerance
- Special Colour Code
- Calibration Test Report
- Available with 1.1KV

CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding Code	Wire Type	AWG / SWG No	No of Strands	Strand Dia (mm)	Cross Section Area (mm ²)	Nominal Bundched Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Twisted)	Cable Diameter mm (Flat)	Cable Wgt (Approx.) Kg/Km
FP401	Solid	24 AWG	1	0.51	0.20	0.51	Twisted	3.6	-	28.0
FP402	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted	3.8	-	29.0
FP403	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted	4.3	-	34.0
FP404	Solid	22 SWG	1	0.71	0.40	0.71	Twisted	4.3	-	38.0
FP405	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	4.4	-	39.0
FP406	Solid	20 AWG	1	0.81	0.50	0.81	Twisted	4.4	-	41.0
FP407	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	4.5	-	41.0
FP408	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	4.5	-	41.0
FP409	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	4.7	-	43.0
FP410	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	5.1	-	48.0
FP411	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	5.1	-	49.0
FP412	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	4.8	-	51.0
FP413	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	5.3	-	56.0
FP414	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	5.3	-	59.0
FP415	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	5.5	-	59.0
FP416	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	5.5	-	59.0
FP417	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	5.5	-	59.0
FP418	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	5.9	-	70.0
FP419	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	5.9	-	74.0
FP420	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	5.5	-	79.0
FP421	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	5.9	-	79.0
FP422	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	5.9	-	88.0
FP423	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	5.9	-	88.0
FP424	Multistrand	7X24 AWG	7	0.53	1.50	1.55	Twisted	5.9	-	88.0
FP425	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	5.9	-	88.0

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
(FPXXX)	(X)	(X)	(XX)	(X)	(X)
401 to 425	K T J E N R S C B	T X C	01 02 - - - - 24	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted)

Table 1