

# FP-601

## THERMOCOUPLE WIRE

FEP - POLYIMIDE - COPPER SCREEN - FEP 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
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 Ordering Code	Wire Type	AWG / SWG No	No of Strands	Strand Dia (mm)	Cross Section Area (mm <sup>2</sup> )	Nominal Bundled Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Twisted)	Cable Diameter mm (Flat)	Cable Wgt (Approx.) Kg/Km
FP601	Solid	24 AWG	1	0.51	0.20	0.51	Twisted	3.0	-	22.0
FP602	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted	3.2	-	23.0
FP603	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted	3.7	-	26.8
FP604	Solid	22 SWG	1	0.71	0.40	0.71	Twisted	3.7	-	29.2
FP605	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	3.8	-	30.1
FP606	Solid	20 AWG	1	0.81	0.50	0.81	Twisted	3.8	-	32.0
FP607	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	3.9	-	32.0
FP608	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	3.9	-	32.0
FP609	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	4.1	-	33.5
FP610	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	4.5	-	37.5
FP611	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	4.5	-	37.5
FP612	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	4.2	-	39.5
FP613	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	4.7	-	40.6
FP614	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	4.7	-	48.0
FP615	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	4.9	-	48.0
FP616	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	4.9	-	48.0
FP617	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	4.9	-	48.0
FP618	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	5.4	-	54.0
FP619	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	5.3	-	56.0
FP620	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	4.9	-	64.0
FP621	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	5.4	-	64.0
FP622	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	5.5	-	70.0
FP623	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	5.4	-	70.0
FP624	Multistrand	7X24 AWG	7	0.53	1.50	1.55	Twisted	5.4	-	70.0
FP625	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	5.4	-	70.0

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)
601 to 625	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