

# 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 Oding Code	Wire Type	AWG / SWG No	No of Strands	Strain Dia (mm)	Cross Section Area (mm <sup>2</sup> )	Nominal Bunched 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