

FP-301

THERMOCOUPLE WIRE

FEP - ALMYLAR - 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
Outer Braiding	: Almylar Screen with ATC Drain Wire
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
- Higher Resist to Electromagnetic Signal
- Smaller Diameter
- Good Mechanical Strength

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 ²)	Nominal Bundled Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Flat)	Cable Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
FP301	Solid	24 AWG	1	0.51	0.20	0.51	Twisted	-	2.9	20.0
FP302	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted	-	2.9	22.0
FP303	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted	-	3.6	25.0
FP304	Solid	22 SWG	1	0.71	0.40	0.71	Twisted	-	3.6	26.0
FP305	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	-	3.8	29.0
FP306	Solid	20 AWG	1	0.81	0.50	0.81	Twisted	-	3.8	29.0
FP307	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	-	3.9	29.0
FP308	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	-	3.9	29.0
FP309	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted	-	4.1	32.0
FP310	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	-	4.4	36.0
FP311	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	-	4.4	36.0
FP312	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	-	4.2	38.0
FP313	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted	-	4.7	39.0
FP314	Solid	17 AWG	1	1.13	1.00	1.13	Twisted	-	4.6	45.0
FP315	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	-	4.9	45.0
FP316	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	-	4.9	45.0
FP317	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	-	4.9	45.0
FP318	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	-	5.5	50.0
FP319	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	-	5.2	52.0
FP320	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	-	4.9	56.0
FP321	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted	-	5.5	56.0
FP322	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	-	5.7	59.0
FP323	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	-	5.6	59.0
FP324	Multistrand	7X24 AWG	7	0.53	1.50	1.55	Twisted	-	5.6	59.0
FP325	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	-	5.6	59.0

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)
301 to 325	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