

# PF-301

## THERMOCOUPLE CABLE

**PFA - PFA - SS BRAIDING INSULATED - 260°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 PFA Insulation
Construction	: Twisted / Flat
Outer Jacket	: Extruded PFA Insulated
Outer Braiding	: Stainless Steel Wire
Operating Temp.	: 260°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584
Color Code	: According to ANSI MC 96.1

### FEATURES

- ✓ Max. Temp. Up to 260°C
- ✓ High Temperature Range
- ✓ Excellent Fire Retardant Property
- ✓ Good Mechanical Strength
- ✓ Good Moisture, Chemical Abrasion Resistance

### AVAILABLE OPTIONS

- ✓ Metal & Taped Shielding
- ✓ Overall Asbestos Braiding
- ✓ Tighter Than Special Limit Accuracy Tolerance
- ✓ Special Colour Code
- ✓ Calibration Test Report
- ✓ Available upto 1.1 KV

## CONSTRUCTION DETAILS AND DIMENSIONS

Cable Odrering 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
PF301	Solid	24 AWG	1	0.51	0.20	0.51	Twisted/Flat	3.0 x 2.0	3	18.0
PF302	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted/Flat	3.2 x 2.2	3.2	19.0
PF303	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted/Flat	3.6 x 2.5	3.6	22.5
PF304	Solid	22 SWG	1	0.71	0.40	0.71	Twisted/Flat	3.7 x 2.4	3.7	23.0
PF305	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted/Flat	3.7 x 2.5	3.7	24.0
PF306	Solid	20 AWG	1	0.81	0.50	0.81	Twisted/Flat	3.7 x 2.5	3.7	25.0
PF307	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted/Flat	3.8 x 2.7	3.8	25.0
PF308	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted/Flat	4.2 x 2.8	4.2	25.0
PF309	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted/Flat	4.2 x 2.8	4.20	27.0
PF310	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted/Flat	4.6 x 2.9	4.6	32.0
PF311	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted/Flat	4.6 x 2.9	4.6	32.0
PF312	Solid	18 AWG	1	1.02	0.81	1.02	Twisted/Flat	4.5 x 2.8	4.5	38.0
PF313	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted/Flat	4.7 x 2.9	4.7	40.0
PF314	Solid	17 AWG	1	1.13	1.00	1.13	Twisted/Flat	4.6 x 2.9	4.6	42.0
PF315	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted/Flat	5.1 x 3.1	5.1	42.0
PF316	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted/Flat	5.1 x 3.1	5.1	42.0
PF317	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted/Flat	5.1 x 3.1	5.1	42.0
PF318	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted/Flat	5.7 x 3.5	5.7	46.0
PF319	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted/Flat	5.1 x 3.2	5.1	46.0
PF320	Solid	16 AWG	1	1.29	1.30	1.29	Twisted/Flat	5.1 x 3.1	5.1	48.0
PF321	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted/Flat	5.7 x 3.5	5.7	48.0
PF322	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted/Flat	5.7 x 3.5	5.7	56.0
PF323	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted/Flat	5.7 x 3.5	5.7	56.0
PF324	Multistrand	21X29 AWG	7	0.53	1.50	1.55	Twisted/Flat	5.7 x 3.5	5.7	56.0
PF325	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted/Flat	5.7 x 3.5	5.7	56.0

**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
(PFXXX)	(X)	(X)	(XX)	(X)	(X)
301 to 325	K T J E N R S B	T X C	01 02 - - - - 12	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted) F-(Flat)

Table 1