

FG-201

THERMOCOUPLE CABLE

POLYIMIDE-FIBER GLASS-FIBER GLASS-SS BRAIDING - 450°C



JSS 51037, IS 8784, ANSI MC 96.1

Voltage Grade : 300V

SPECIFICATIONS

Conductor	: Solid, Multistrand, Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1
Insulation	: Polyimide-Fiber glass Insulated with High Temp. Varnish
Construction	: Twisted / Flat
Outer Jacket	: Fiber Glass with High Temp. Varnish
Overall Braiding	: SS Braiding
Operating Temp.	: 450°C
Limit of Error	: According to ASTM E230 / 77 / IEC 584
Color Code	: According to ANSI MC 96.1

FEATURES

- ✓ Max. Temp. Up to 450°C
- ✓ Excellent Electrical & Mechanical Properties
- ✓ Outstanding Insulating Properties
- ✓ Good Thermal Stability
- ✓ High Tensile Strength

AVAILABLE OPTIONS

- ✓ Metal Over Braid
- ✓ Twisted / Shielded Pair
- ✓ Special Colour Code
- ✓ Calibration Test Report

CONSTRUCTION DETAILS AND DIMENSIONS

Cable Ordering Code	Wire Type	AWG / SWG No	No of Strands	Strain Dia (mm)	Cross Section Area (mm ²)	Nominal Bundched Conductor Dia (mm)	Cable Formation	Nominal Cable Diameter mm (Flat)	Nominal Cable Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
FG201	Solid	32 AWG	1	0.20	0.03	0.20	Flat	2.1 x 1.5	-	8.0
FG202	Solid	29 AWG	1	0.30	0.07	0.30	Flat	2.4 x 1.6	-	10.0
FG203	Solid	24 AWG	1	0.51	0.20	0.51	Twisted/Flat	3.0 x 2.0	3.0	18.0
FG204	Multistrand	7X32 AWG	7	0.20	0.22	0.56	Twisted/Flat	3.2 x 2.2	3.2	19.0
FG205	Multistrand	7X30 AWG	7	0.25	0.35	0.75	Twisted/Flat	3.6 x 2.4	3.6	24.0
FG206	Solid	22 SWG	1	0.71	0.40	0.71	Twisted/Flat	3.6 x 2.4	3.6	25.0
FG207	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted/Flat	3.7 x 2.5	3.7	27.0
FG208	Solid	20 AWG	1	0.81	0.50	0.81	Twisted/Flat	3.7 x 2.5	3.7	28.0
FG209	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted/Flat	4.2 x 2.8	4.2	28.0
FG210	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted/Flat	4.2 x 2.8	4.2	28.0
FG211	Multistrand	7X28 AWG	7	0.32	0.56	0.96	Twisted/Flat	4.3 x 2.9	4.3	29.0
FG212	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted/Flat	4.6 x 2.9	4.6	36.0
FG213	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted/Flat	4.6 x 2.9	4.6	36.0
FG214	Solid	18 AWG	1	1.02	0.81	1.02	Twisted/Flat	4.5 x 2.7	4.5	39.0
FG215	Multistrand	7X26 AWG	7	0.40	0.88	1.20	Twisted/Flat	4.6 x 2.9	4.6	39.0
FG216	Solid	17 AWG	1	1.13	1.00	1.13	Twisted/Flat	4.6 x 2.9	4.6	45.0
FG217	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted/Flat	5.2 x 3.2	5.2	45.0
FG218	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted/Flat	5.2 x 3.2	5.2	45.0
FG219	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted/Flat	5.2 x 3.2	5.2	45.0
FG220	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted/Flat	5.6 x 3.5	5.6	50.0
FG221	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted/Flat	5.3 x 3.3	5.3	52.0
FG222	Solid	16 AWG	1	1.29	1.30	1.29	Twisted/Flat	5.2 x 3.2	5.2	53.0
FG223	Multistrand	19X29 AWG	19	0.30	1.30	1.50	Twisted/Flat	5.6 x 3.5	5.6	58.0
FG224	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted/Flat	5.7 x 3.6	5.7	58.0
FG225	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted/Flat	5.6 x 3.5	5.6	58.0
FG226	Multistrand	21X29 AWG	7	0.53	1.50	1.55	Twisted/Flat	5.6 x 3.5	5.6	58.0
FG227	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted/Flat	5.6 x 3.5	5.6	58.0

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
(FGXXX)	(X)	(X)	(XX)	(X)	(X)
201 to 227	K T J E N R S C B	T X C	01 02 - - - - 12	A-(ANSI) I-(IEC) J-(JIS)	T-(Twisted) F-(Flat)

Table 1