

FIBRE GLASS-FIBRE GLASS-STEEL BRAIDING INSULATED - 600°



SPECIFICATIONS:

Conductor	: Solid, Multistranded Thermocouple Grade Materials as per ASTM E230 & ANSI MC 96.1.
Insulation	: Braided or Lapped Fiber Glass With Silicon Varnish, High Temp. Saturated.
Construction	: Parallel Conductors.
Outer Jacket	: Braided Fiber Glass With Silicon Varnish.
Braiding	: Stainless Steel Braiding.
Operating Temp.	: 600°C.
Limits of Error	: According to ANSI MC 96.1/IEC-584.
Colour Code	: According to ANSI MC 96.1.

FEATURES:

- 1) Max. Temp. Up to 600°.
- 2) Excellent Physical Properties.
- 3) Excellent Di-Electric constant.
- 4) High Temperature stability.
- 5) High Thermal endurance.
- 6) Good Moisture, Chemical Abrasion Resistance.

AVAILABLE OPTIONS:

- 1) Fused PTFE Tape Moisture Barrier.
- 2) Double Glass Braid Insulation.
- 3) Twisted/Shielded Pair.
- 4) Metal Coverings.
- 5) Tighter Than Special Limit Accuracy Tolerances.
- 6) Special Colour Code
- 7) Calibration Test Report.

APPLICATIONS:



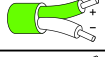
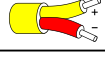
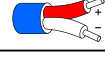






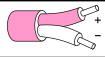
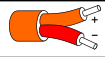

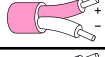


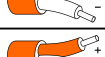





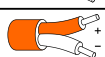

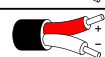
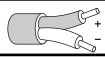
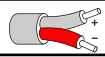
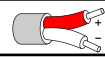
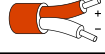






- 1) Heat Treatment.
- 2) Temperature Sensors.
- 3) Steel & Aluminum industries.
- 4) Plastic Processing Equipment.
- 5) Gas Plant.
- 6) Oil Refinery Plant.

Table - 1 : Geometrical Data

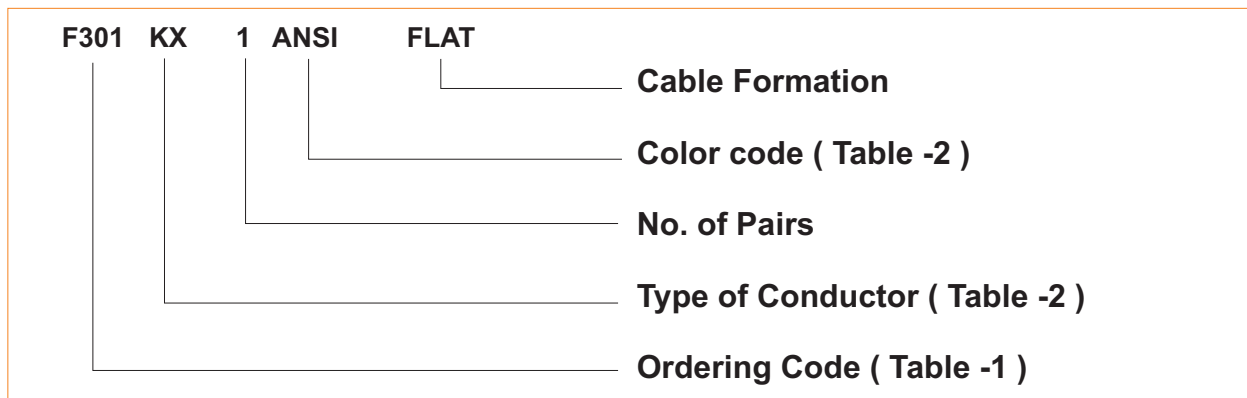
CABLE ORDERING CODE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (sqmm)	BARE CONDUCTOR DIA.(mm)	FLAT	CABLE DIMENSION (mm) (MAX.)	CABLE WT. (APPX.) gm/meter
F301	1	0.51	0.2	0.51	FLAT	2.7	15.6
F302	7	0.20	0.22	0.6	FLAT	2.9	16.0
F303	7	0.30	0.5	0.9	FLAT	3.5	28.1
F304	1	0.81	0.5	0.81	FLAT	2.4	28.0
F305	24	0.20	0.75	1.12	FLAT	4.4	35.0
F306	14	0.30	1	1.26	FLAT	4.9	48.0
F307	3	0.71	1.2	1.39	FLAT	5.6	52.6
F308	1	1.29	1.3	1.29	FLAT	5.0	57.0
F309	21	0.30	1.5	1.55	FLAT	5.5	64.0

These are some standard cables, however we can offer as per your specific requirement also.

COLOUR CODE OF THERMOCOUPLE EXTENSION AND COMPENSATING CABLES

THERMOCOUPLE CONDUCTOR COMBINATION TYPE	CONDUCTOR		IEC	ANSI	JIS	TOLERANCE CLASS		CABLE TEMPERATURE RANGE °C
	EXTENSION CABLE	COMPENSATING CABLE	INTERNATIONAL COLOUR CODE TO IEC 5843:1989	AMERICAN TO ANSI/MC96.1 	JAPANESE TO JIS C 1610-1981 	1	2	
K	KX					±60µV (±1.5°C)	±100µV (±2.5°C)	-25°C TO +200°C
		KCA					±100µV (±2.5°C)	-0°C TO +150°C
		KCB					±100µV (±2.5°C)	-0°C TO +100°C
T	TX					±30µV (±0.5°C)	±60µV (±1.0°C)	-25°C TO +100°C
J	JX					±85µV (±1.5°C)	±140µV (±2.5°C)	-25°C TO +200°C
N	NX					±60µV (±1.5°C)	±100µV (±2.5°C)	-25°C TO +200°C
		NC					±100µV (±2.5°C)	-0°C TO +150°C
E	EX					±120µV (±1.5°C)	±200µV (±2.5°C)	-25°C TO +200°C
R		RCA					±30µV (±2.5°C)	0°C TO +100°C
		RCB					±60µV (±5.0°C)	0°C TO +200°C
S		SCA					±30µV (±2.5°C)	0°C TO +100°C
		SCB					±60µV (±5.0°C)	0°C TO +200°C
B		BC						
C		CC						0°C TO +110°C

ORDERING CODE



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