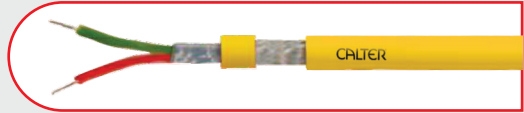


Thermocouple Extension Type Compensating Cable



Applications

Can be used for instrumentation/process control in chemical and petrochemical industries and are required to transfer reference junction to the control room.

Construction		Technical Data	
Conductor	Solid Type of J (Iron/Constantan) K (chromel/alumel) T (copper/ constantan) E (copper/constantan) Type S&R (copper/alloy #11) As per spec ANSI MC 96.1 IN 16 AWG (1.29 mm) for single pair & 20 AWG (0.81 mm) for multi pair cables	Temperature Range EX type JX type KX type TX type Conductor loop Resistance at 20°C	-18 to 204°C -18 to 204°C -18 to 204°C -59 to 93°C As per specifications ANSI MC 96.1
Insulation	PVC Type T11 as per BS: 7655 Thickness should be minimum 0,38 mm	Min insulation Resistance	100 Mega ohms/km
Color code	Ex type: chromel (+) purple & constantan (-) red JX type iron (+) white & constantan (-) red KX type: chromel (+) yellow & alumel (-) red TX type: copper(+) blue & constantan (-) red	Mutual capacitance Core to core Core to screen	250 nF/km max 450 nF/km max
Shielding	Each twisted pair screened with aluminum Mylar and a drain wire of size 0.5 sq mm for maximum electrostatic noise and cross talk rejection	Inductance (max) Thermal EMF test	0.9 Micro Henry/km as per ANSI MC 96.1
Inner coating	Extruded PVC type TMI of BS:7655 Armour galvanized steel round wire as per BS: 1442	Working voltage	300/500 volts
Sheath	Extruded PVC type TMI of BS:7655 The color of the sheath shall be purple, black, yellow & blue respectively for type EX, JX, KX, and TX.	RMS test voltage Core to core and core to screen	1000V RMS for 1 minute
Printing	Instrumentation cable shielded #PRX size Type of conductor 300/500 volts year of manufacture	Minimum bending Radius	12 x cable diameter

Note: Sheath material should be FR/FRLS/Zero Halogen as per requirement. The actual color of the product may differ in construction/color from the given picture.