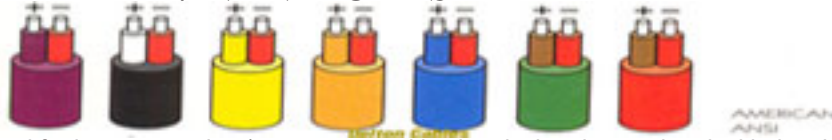


## THERMOCOUPLE EXTENSION TYPE UNARMOURED/WIRE ARMoured, UNSHIELDED/OVERALL /INDIVIDUAL SHIELDED



- Application** : Can be used for instrumentation /process control in chemical and petrochemical industries and are required to transfer reference junction to the control room.
- Specification** : As per ANSI MC 96.1

<b>Conductor</b>	Solid type of J (Iron/Constantan), K(Chromel/Alumel), T(Copper/Constantan) E(Chromel/Constantan), Type S&R(Copper/Alloy#11) as per spec. ANSI MC 96.1 in 16AWG(1.29mm) for single pair & 20AWG(0.81mm) for multi pair cables	<b>Temperature range.</b> <b>EX type</b> <b>JX type</b> <b>KXtype</b> <b>TXtype</b>	-1 8 to 204 Degree. C - 18 to 204 Degree. C - 18 to 204 Degree. C - 59 to 93 Degree. C
<b>Insulation</b>	PVC Type T11 as per BS:7655. Thickness shall be 0.38 mm Min.	<b>Working voltage</b>	300/500 Volts
<b>Colour code</b>	EX type: Chromel(+)-Purple & Constantan(-)-Red JX type: Iron(+)-White & Constantan(-)-Red KX type: Chromel(+)-Yellow & Alumel(-)-Red TX type Copper(+)-Blue & Constantan(-)-Red	<b>Minimum bending radius</b>	12 X cable diameter
<b>Pair shield</b> (In case of individual shielded cables)	Each twisted pair shielded with aluminium polyester tape and a stranded tinned copper drain wire of size 0.5 mm <sup>2</sup> for maximum electrostatic noise and cross talk rejection. All pair shields are electrically isolated from each other.	<b>Conductor Loop resistance at 20°C -</b>	Refer spec. ANSI MC 96.1
<b>Overall shield</b> (In case of Ind. & Overall shielded as well as Overall shielded cables)	Individually shielded pairs are cabled with non-hygroscopic fillers if necessary, and the entire assembly is shielded with aluminium polyester tape and a stranded tinned copper drain wire of size 0.5 mm <sup>2</sup> .	<b>R.M.S. test voltage:</b> <b>Core to core &amp; Core to screen</b>	1000 V rmsfor 1 minute.
<b>Bedding</b> (In case of armoured cables)	Extruded Black PVC Type TM1 of BS:7655.	<b>Inductance (Max.)</b>	0.9 Micro Henry/Km.
<b>Wire Armour</b> (In case of Armoured cables)	A serving of round galvanized steel wires as per BS:1442, is applied with 90% minimum coverage.	<b>Thermal EMF test</b>	As per ANSI MC 96.1
<b>Sheath</b>	Extruded PVC Type TM1 of BS:7655. The colour of the sheath shall be PURPLE, BLACK, YELLOW & BLUE respectively for Type EX, JX, KX & TX cable.	<b>Mutual Capacitance</b> <b>Core to Core</b> <b>Core to Screen</b>	250 nF/Km. Max. 450nF/Km. Max.
<b>Printing Legend</b>	INSTRUMENTATION CABLE SHIELDED # PRX Area of cross section Type of conductor 300/500 V DELTON YEAR	<b>Min. Insulation Resistance</b>	100 Meg Ohms/Km.

**PACKING** : In Wooden Drums of 500/1000 Meters.

- NOTE:-**
- ❑ Sheath material shall be FR/FRLS/ZERO HALOGEN compound as per customer's request.
  - ❑ As an alternate armoured cable shall be supplied with flat strip/ Double Steel Tape/ Wire Braided as per customer requirement.
  - ❑ Higher pair count cables shall also be supplied Upto maximum overall diameter of 70mm .
  - ❑ The given picture of the product may differ to its actual in construction/colour.