







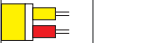






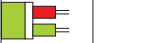





















Thermocouple Extension/Compensating Cables

- Construction** : Single or Multiple Pairs
- Voltage Grade** : Up to 1100 V
- Cable Code** : Kx, Kx (A), Tx, Jx, Ex, Sx / Rx, Bx, Nx, Ux, Wx
- Range** : 16 AWG / 18 AWG / 20 AWG up to 48 Pair
- Primary Insulation** : General purpose PVC / Heat Resistant PVC / PE / XLPE / PTFE / FEP / PFA / Silicone Rubber / Fibre Glass
- Screening** : Individual and/or overall with following options -
 - Aluminum Mylar / Copper Tape with Tinned Copper Drain Wire
 - Braided with Bare or Tinned or Nickel Plated or Silver Plated Copper
- Inner Sheath** : PVC / HRPVC / FRPVC / FRLS PVC / ZHFR / LSF / PTFE / PFA / FEP / Fibre Glass
- Armouring** : GI Round Wire / Flat Strip or Wire Braiding
- Outer Sheath** : PVC / HRPVC / FRPVC / FRLSPVC / ZHFR / LSF / PTFE / Fibre Glass / PFA / FEP
- Rip Cord** : For easy removal of sheath
- Standards** : ANSI: MC-96.1, IS-8784, DIN, BS & IEC-584-3, IEC-60332-1, IEC-60332-3-22, 23, 24

Note:- Other conductor sizes and insulation materials on request

Technical Data

CABLE CODE		Kx	Kx (A)	Tx	Jx	Ex	Sx / Rx
CABLE TYPE		EXT.	COMP	EXT.	EXT.	EXT.	COMP
Conductor	+Ve leg	Chromel	Copper	Copper	Iron	Chromel	Copper
	-Ve leg	Alumel	Constantan	Constantan	Constantan	Constantan	Copper Alloy
Suitable for Thermocouple Type		Kx	Kx	Tx	Jx	Ex	Sx / Rx
Conductor Combination		Chromel Alumel	Copper Alumel	Copper Constantan	Iron Constantan	Chromel Constantan	Platinum 10/13% Rhodium Platinum
Temperature range of measuring junction °C		0 to +1100	☆	-185 to +300	+20 to +700	0 to +800	0 to +1550 0 to +1600
Applicable standards for output of Thermocouple conductors		BS-4937 part 4 ANSI/MC 96.1 type K DIN 43710 NF C 42-321 JISC 1602	☆	BS-4937 part 5 ANSI/MC 96.1 type T NF C 42-321 JISC 1602	BS-4937 part 3 ANSI/MC 96.1 type J NF C 42-321 JISC 1602	BS-4937 part 6 ANSI/MC 96.1 type E NF C 42-321 JISC 1602	BS-4937 part 1 ANSI/MC 96.1 type S, R, NF C 42-321 JISC 1602
COLOUR CODING	 BS						
	 ANSI						
	 DIN						
	 NF						
	 JISC						
Approximate generated 100°C EMF change per °C		42	☆	46	46	68	8/8
500°C		43	☆	—	56	81	9/10
NOTES : ☆ Used for interconnecting Type 'K' thermocouples and instrumentation as an alternative to type 'K' material. Only used where the interconnection temperature is in the range 0° C to + 80° C We can also offer NX, UX and WX Cables ● Kx (A) - also known as Vx							

