

THERMOCOUPLE EXTENSION & COMPENSATING CABLES

Application

Used for connecting the thermocouple to the control and measurement devices (pyrometers etc.) that may be some distance away from the thermocouple in the control room. Conforming to standard specifications like IS 8784, ANSI MC 96.1, DIN 43714, 43, ENI-0163, BS 4937 (Pt-30).

Configuration

Single Pair/Multiple Pair usually upto 24 pairs. Higher pairs on customer's request.

Construction

Conductor

As per Cable Codes KX, KX(A), JX, TX, EX, SX/RX, BX. 16, 18&20 AWG. Other Conductor sizes on request.

Primary Insulation

PVC/HRPVC.

Screening

Individual or overall Aluminum Mylar tape screened with ATC Drain wire.

Inner Sheath

PVC/HR PVC/FRLS PVC/FR PVC.

Armouring

GI Round Wire/Flat Strips.

Outer Sheath

PVC/HR PVC/FRLS PVC/FR PVC.

Rip Cord

For easy removal of sheath.



RANGE OF THERMO COUPLE - EXTENSION/COMPENSATING CABLE

RANGE OF THERMO COUPLE - EXTENSION/COMPENSATING CABLE		
ExtensionCables	Conductor Material	
	Positive	Negative
* KX (Ni,Cr,NiAl)	CHROMEL®	ALUMEL®
* JX (Fe/Cu Ni)	IRON	Constantan
* EX (Ni Cr/Cu Ni)	CHROMEL®	Constantan
* TX (Cu/Cu Ni)	Copper	Constantan
Compensating Cables		
+ KX (A)/BX (Ni Cr /Ni Al)	Copper	Constantan
# SX/RX (PtRH-pt)	Copper	Constantan

NOTE: * Extension Cable as per ANSI MC 96.1
 + For Compensating Cable as per IS:8784/87
 # Compensating Cable as per ANSI MC 96.1 and IS:8784/87
 ®CHROMEL® & ALUMEL® are registered trademarks of Hoskins Manufacturing Co., USA.

COLOUR CODES AS PER VARIOUS STANDARD SPECIFICATIONS

Standard Preferred									
ANSI MC-96.1, ENI - 163.00				IS: 8784			BS: 4937		
	+ve	-ve	Overall	+ve	-ve	Overall	+ve	-ve	Overall
EXTENSION CABLES									
KX	Yellow	Red	Yellow	Red	Green	Green	Brown	Blue	Red
JX	White	Red	Black	Red	Blue	Blue	Yellow	Blue	Black
TX	Blue	Red	Blue	Red	Black	Black	White	Blue	Black
EX	Purple	Red	Purple	Red	Violet	Violet	Brown	Blue	Brown
EXTENSION CABLE									
KX/BX	-	-	-	Red	Green	Green	White	Blue	Red
SX/RX	Black	Red	Green	Red	White	White	White	Blue	Green



Corporate Office

Paramount House
 C-125, Naraina Industrial Area Phase - I, New Delhi - 110028, INDIA.
 Ph No: +91 11 25897421 - 30 Fax No: +91 11 25893719 - 20
 Email: mktg@paramountcables.com URL: www.paramountcables.com

Mumbai Office:

201, ROYAL PLAZA, New Link Road, Andheri (West), Mumbai 400 053, INDIA.
 Ph No: +91 22 26398048 Fax No: +91 22 26390168
 Email: mumbai@paramountcables.com

The information provided in this Data Sheet is as complete and accurate as possible at the time of publication. Paramount reserves the right to modify or alter the specifications and designs as and when necessary.

