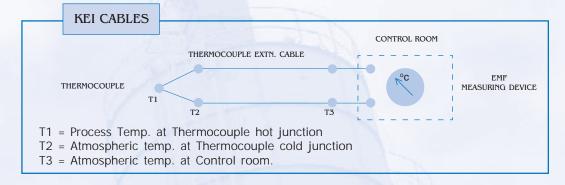
Thermocouple Extension/Compensating

These cables can also be termed as instrumentation cables, since they are used for process temperature measurement. The construction is similar to paired instrumentation cable but the conductor material is different. Thermocouples are used in processes to sense temperature and is connected to the pyrometers for indication and control. The thermocouple and pyrometers are electrically conducted by thermocouple extension/compensating cables. The conductors used for these cables are required to have similar thermo-electric (emf) properties as that of the thermocouple used for sensing the temperature. The cables are manu-factured as per IS:8784, ANSI-MC 96. 1, B.S., ENI, DIN and customers specification.



Range of Thermocouple Extension/ Compensation cables :-

EVTENSION CARLES	CONDUCTOR MATERIAL			
EXTENSION CABLES	Positive	Negative		
KX (NiCr/Nia) JX (Fe/CuNi) EX (NiCr/CuNi) TX (Cu/CuNi) COMPENSATING CABLES	Chromel Iron Chromel Copper	Alumel Constantan Constantan Constantan		
KX (A)/VX (NiCr/NiAl) SX/RX (PtRh-Pt)	Copper Copper	Constantan Constantan		

COLOUR CODES as per various standard specifications

STANDARDS REFERRED										
	ANSI MC-96.1 ENI — 163.00		IS : 8784							
	+ve	-ve	overall	+ve	-ve	overall	+ve	-ve	overall	
EXTENSION CABLES										
KX JX TX EX	Yellow White Blue Purple	Red Red Red Red	Yellow Black Blue Purple	Red Red Red Red	Green Blue Black Violet	Green Blue Black Violet	Brown Yellow White Brown	Blue Blue Blue Blue	Red Black Blue Brown	
	COMPENS	ATING CAB	LES							
KX(A)/VX SX/RX Green	_	 Black	— Red	Red Red	Green White	Green White	White White	Blue Blue	Red Green	