











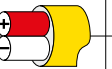








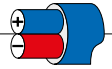
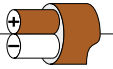
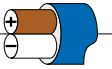

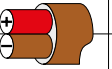
























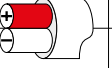


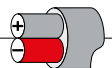




Wire colour codes

International colour codes for thermocouple extention wires

Thermocouple type	 ANSI MC96.1	 International IEC 584-3	 International IEC 584-3 Intrinsic safety	 BS 1843	 DIN 43710	 JIS C1610-1981	 NFE-18001	Notes on lead material use
J $\frac{\text{Fe}}{\text{Cu-Ni}}$								Reducing, Vacuum, Inert Utilizzo limitato in ambiente ossidante ad alta temperatura Not recommended for high temperatures
K $\frac{\text{Ni-Cr}}{\text{Ni-Al}}$								Oxidating and inert Poor resistance to reducing atmosphere and vacuum Wide temperature range Common calibration
T $\frac{\text{Cu}}{\text{Cu-Ni}}$								Slightly oxidating Reducing Atmosphere, Vacuum or Inert Good moisture resistance - Low temperature and cryogenic applications
E $\frac{\text{Ni-Cr}}{\text{Cu-Ni}}$								Oxidating or Inert Poor resistance to reducing or vacuum atmosphere It has the highest EMF value per grade
N $\frac{\text{Ni-Cr-Si}}{\text{Ni-Si-Mg}}$								Alternative to type K More stable at high temperatures
R $\frac{\text{Pt 13% Rh}}{\text{Pt}}$								Oxidating or Inert Not to be placed in metal pipes Pay attention to contamination danger High temperatures
S $\frac{\text{Pt 10% Rh}}{\text{Pt}}$								
B $\frac{\text{Pt 30% Rh}}{\text{Pt 6% Rh}}$								Oxidating or Inert Not to be placed in metal pipes Pay attention to contamination danger - High temperatures Very common in glass industry