

International Thermocouple Colour Codes For Connector Bodies

| TYPE | IEC | ANSI | JIS | TYPE |
|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------|
| J |  |  |  | J |
| K |  |  |  | K |
| T |  |  |  | T |
| E |  |  |  | E |
| N |  |  | | N |
| R/S |  |  |  | R/S |
| B |  |  |  | B |
| Cu (Copper) |  |  |  | Cu (Copper) |

All Labfacility connectors use true thermocouple alloys for optimum accuracy except for Type R, S & B which use compensating alloys.

A full range of standard & miniature connectors in these colour codes are available to buy online at www.labfacility.com.



Colour Codes: Thermocouple Extension and Compensating Wires and Cables

INSULATION COLOUR CODES Extension and Compensating leads

| TYPE | CONDUCTORS +/- | ◀ FORMER STANDARD ▶ | | | | Cable Code |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|---------------------------|-----------------------------------------|------------|
| | | BRITISH BS1843:1952 | AMERICAN ANSI/MC 96.1 | GERMAN DIN 43713/43714 | IEC 60584-3(2007) BS EN60584-3(2008) | |
| EX | NICKEL CHROMIUM/CONSTANTAN (Nickel/Chromium/Copper Nickel, Chrome/Constantan, T1 Advance, NiCr/Constantan) | | | | | EX |
| J | IRON*/CONSTANTAN (Iron/Copper Nickel, FE/Konst Iron/Advance, FE Constantan I/C) | | | | | JX |
| K | NICKEL CHROMIUM/ NICKEL ALUMINIUM* (NC/NA, Chromel /Alumel), C/A, T1/T2, NiCr/Ni, NiCr, NiAL) | | | | | KX |
| N | NICROSIL/NISIL | | | | | NX NC |
| T | COPPER CONSTANTAN (Copper/Copper Nickel, Cu/Con, Copper Advance) | | | | | TX |
| Vx | COPPER CONSTANTAN (LOW NICKEL) (Cu/Constantan) Compensating for K (Cu/Constantan) | | | | | KCB |
| U | COPPER/COPPER NICKEL Compensating for Platinum 10% or 13% Rhodium/Platinum (codes 'S' and 'R' respectively) (Copper/Cupronic Cu/CuNi, Copper/No.11 Alloy) | | | | | RCA SCA |

* Magnetic

FOR THERMOCOUPLE
CONNECTORS
body colours are similar to
outer sheath colours



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