

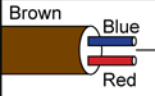
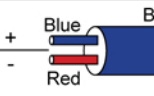
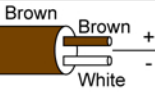
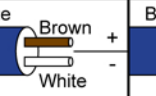
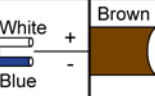
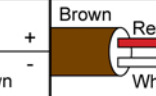
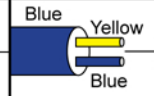
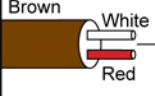
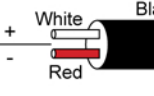
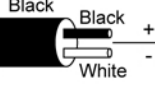
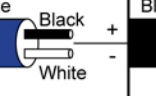
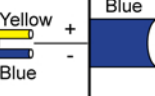
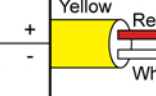
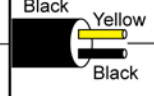
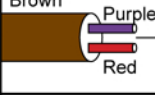
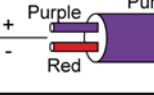
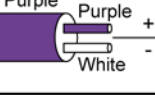
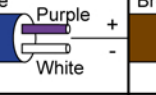
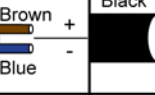
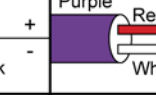
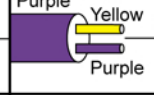
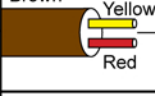
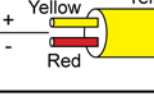
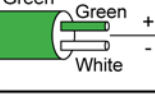
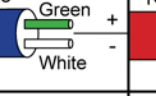
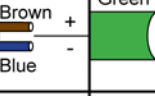
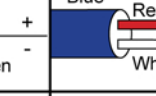
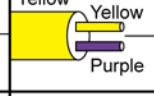
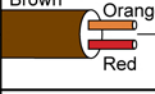
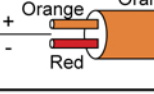
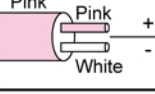
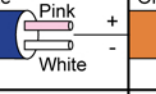
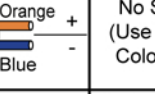
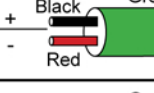
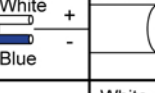
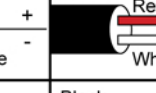
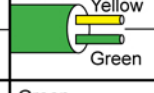
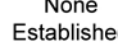
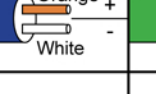
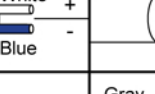
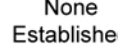
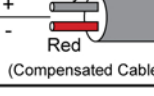
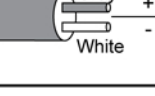
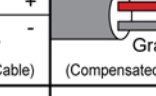
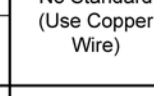
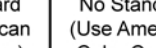
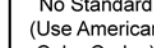
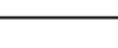
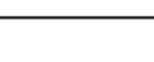
# International Thermocouple Color Codes - Thermocouple and Extension Grade Wires



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| THERMO-<br>COUPLE<br>TYPE |  | U.S. & CANADIAN<br>(ANSI/MC96.1, ANSI/ASTM E230)                                    |                                                                                     |                                                                                     |     | International                                                                         | International                                                                         | Czech<br>British                                                                      | Netherlands<br>German                                                                 | Japanese                                                                              | French |
|---------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
|                           | ALLOY<br>COMBINATION                                                              | THERMOCOUPLE<br>GRADE                                                               | EXTENSION<br>GRADE                                                                  | PLUG &<br>JACK                                                                      | IEC 584-3                                                                            | IEC 584-3<br><i>Intrinsically Safe</i>                                                | BS 1843                                                                               | DIN 43710                                                                             | JIS C 1610                                                                            | NFC 42-324                                                                            |        |
| T                         | Copper                                                                            |    |    |    |    |    |    |    |    |    |        |
|                           | Constantan<br>(Copper-Nickel)                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |        |
| J                         | Iron<br><i>(magnetic)</i>                                                         |    |    |    |    |    |    |    |    |    |        |
|                           | Constantan<br>(Copper-Nickel)                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |        |
| E                         | Nickel - Chromium                                                                 |    |    |    |    |    |    |    |    |    |        |
|                           | Constantan<br>(Copper- Nickel)                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |        |
| K                         | Nickel - Chromium                                                                 |    |    |    |    |    |    |    |    |    |        |
|                           | Nickel - Aluminium<br><i>(magnetic)</i>                                           |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |        |
| N                         | Nicrosil<br>(Nickel-Chromium- Silicon)                                            |    |    |    |    |    |    | No Standard<br>(Use American<br>Color Codes)                                          | No Standard<br>(Use American<br>Color Codes)                                          | No Standard<br>(Use American<br>Color Codes)                                          |        |
|                           | Nisil<br>(Nickel-Silicon-Magnesium)                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |        |
| S                         | Platinum<br>Rhodium - 10%                                                         |    |   |   |   |   |   |   |   |   |        |
|                           | Platinum                                                                          |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |        |
| R                         | Platinum<br>Rhodium - 13%                                                         |  |  |  |  |  |  |  |  |  |        |
|                           | Platinum                                                                          |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |        |
| B                         | Platinum<br>Rhodium - 30%                                                         |  |  |  |  |                                                                                       | No Standard<br>(Use Copper<br>Wire)                                                   |  |  | No Standard<br>(Use Copper<br>Wire)                                                   |        |
|                           | Platinum<br>Rhodium - 6%                                                          |                                                                                     |  |  |                                                                                      |  |                                                                                       |  |                                                                                       |                                                                                       |        |
| C                         | Tungsten<br>Rhenium - 5%                                                          |  |  |  |                                                                                      |                                                                                       |                                                                                       | No Standard<br>(Use American<br>Color Codes)                                          | No Standard<br>(Use American<br>Color Codes)                                          | No Standard<br>(Use American<br>Color Codes)                                          |        |
|                           | Tungsten<br>Rhenium - 26%                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |        |