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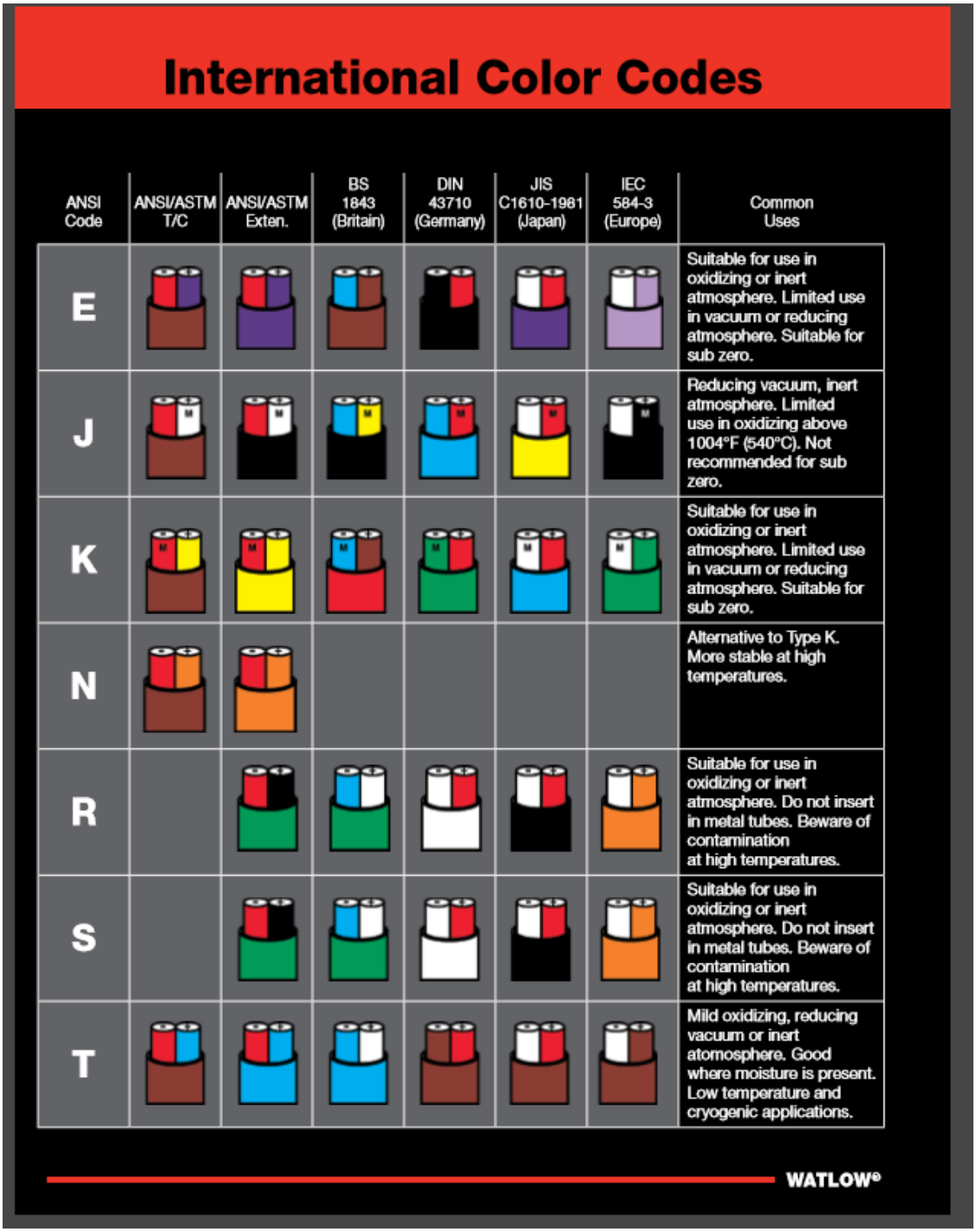
# Thermocouple International Color Codes

## International Color Codes



| ANSI Code | ANSI/ASTM T/C | ANSI/ASTM Exten. | BS 1843 (Britain) | DIN 43710 (Germany) | JIS C1610-1981 (Japan) | IEC 584-3 (Europe) | Common Uses |
|---|---|---|---|---|---|---|---|
| E | | | | | | | Suitable for use in oxidizing or inert atmosphere. Limited use in vacuum or reducing atmosphere. Suitable for sub zero. |
| J | | | | | | | Reducing vacuum, inert atmosphere. Limited use in oxidizing above 1004°F (540°C). Not recommended for sub zero. |
| K | | | | | | | Suitable for use in oxidizing or inert atmosphere. Limited use in vacuum or reducing atmosphere. Suitable for sub zero. |
| N | | | | | | | Alternative to Type K. More stable at high temperatures. |
| R | | | | | | | Suitable for use in oxidizing or inert atmosphere. Do not insert in metal tubes. Beware of contamination at high temperatures. |
| S | | | | | | | Suitable for use in oxidizing or inert atmosphere. Do not insert in metal tubes. Beware of contamination at high temperatures. |
| T | | | | | | | Mild oxidizing, reducing vacuum or inert atomosphere. Good where moisture is present. Low temperature and cryogenic applications. |

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