

EXTENSION AND COMPENSATION CABLES FOR THERMOCOUPLE

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|---|-----------------------------|---------------------------|
| IDENTIFICATION TABLE FOR STANDARDS | ANSI MC 96.1.82 | USA |
| | DIN 43710 - DIN43713 | Germany |
| | BS 4937 - BS 1041 | Great Britain |
| | NF C42 - NF 321/322/323/324 | France |
| | JIS C 1602 -JIS C1610 | Japan |
| | IEC 584-3 | International Norm |

INTERNATIONAL ACRONYMS OF IDENTIFICATION FOR CABLES AND THERMOCOUPLES

| CABLE ACRONYM | POSITIVE CONDUCTOR | SPECIFIC RESISTANCE $\Omega \times m$ | NEGATIVE CONDUCTOR | SPECIFIC RESISTANCE $\Omega \times m$ | VALUE of e.m.f. at mV a 200°C | # Tolerance Class 2 $\pm mV (^{\circ}C)$ | THERMOCOUPLE ACRONYM |
|-----------------|--------------------|---------------------------------------|-------------------------|---------------------------------------|-------------------------------|--|----------------------|
| TX | Red Copper | 0,01724 | Cuprothal | 0,4900 | 9,288 | 0.06 (1,0°) from -25 to 100°C | T |
| JX | Iron | 0,14000 | Cuprothal | 0,4900 | 10,779 | 0.14 (2.5°) from -25 to 200°C | J |
| KX | Chromel® | 0,70600 | Alumel® | 0,2920 | 8,138 | 0.10 (2.5°) from -25 to 200°C | K |
| SCB (SX) | Red Copper | 0,01724 | Copper-Nikel (Lega 11) | 0,1200 | 1,440 | 0.06 (5,0°) from 0 to 200°C | S |
| KCA (WX) | Iron | 0,14000 | Copper-Nikel (Lega 410) | 0,5200 | 8,138 | 0.10 (2.5°) from 0 to 150°C | W/X |

Special types on request : EX - BX - VX - RX

IDENTIFICATION COLOURS FOR CABLES WITH REFERENCE TO STANDARD

| CABLE ACRONYM | STANDARD | COLOURS | | | CABLE ACRONYM | STANDARD | COLOURS | | |
|---------------|----------|-----------------|--------------------|--------------------|---|----------|-----------------|--------------------|--------------------|
| | | EXTERNAL SHEATH | POSITIVE CONDUCTOR | NEGATIVE CONDUCTOR | | | EXTERNAL SHEATH | POSITIVE CONDUCTOR | NEGATIVE CONDUCTOR |
| TX | ANSI | Blue | Blue | Red | JX | ANSI | Black | White | Red |
| | DIN | Brown | Red | Brown | | DIN | Blue | Red | Blue |
| | BS | Blue | White | Blue | | BS | Black | Yellow | Blue |
| | NFE | Blue | Yellow | Blue | | NFE | Black | Yellow | Black |
| | JIS | Brown | Red | White | | JIS | Yellow | Red | White |
| | IEC | Brown | Brown | White | | IEC | Black | Black | White |
| KX | ANSI | Yellow | Yellow | Red | SX | ANSI | Green | Black | Red |
| | DIN | Green | Red | Green | | DIN | White | Red | White |
| | BS | Red | Brown | Blue | | BS | Green | White | Blue |
| | NFE | Yellow | Yellow | Violet | | NFE | Green | Yellow | Green |
| | JIS | Blue | Red | White | | JIS | Black | Red | White |
| | IEC | Green | Green | White | | IEC | Orange | Orange | White |
| WX | ANSI | White | Green | Red | Formula to calculate resistance on the section | | | | |
| | DIN | Green | Red | Green | Specific resistance Ω/m | | | | |
| | BS | - | - | - | Section mm^2 | | | | |
| | NFE | White | Yellow | White | IEC-WX * Not regulated coloration, produced against specific request | | | | |
| | JIS | - | - | - | | | | | |
| | IEC * | Green | Green | White | | | | | |

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|--|----------------------------|-----------------|---------------------------|---------------|----------------|
| Data Emissione | 11/09/1996 | Indice Modifica | 8 | Data Modifica | 30/11/2015 |
| Redatto | SETP <i>Luca Marzolini</i> | Verificato | SEP <i>Luca Marzolini</i> | Approvato | DIG <i>DIG</i> |
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