EXTENSION AND COMPENSATION CABLES FOR THERMOCOUPLE

IDENTIFICATION TABLE FOR STANDARDS		
	IEC 60584	**International Standards**
	DIN EN 6058	**Germany**
	BS EN IEC 60584	**Great Britain**
	NF EN 60584	**France**
	ASTM E230/230M-17	**USA**
	JIS C 1602 -JIS C1610	**Japan**

INTERNATIONAL ACRONYMS OF IDENTIFICATION FOR CABLES AND THERMOCOUPLES

CABLE ACRONYM	POSITIVE CONDUCTOR	SPECIFIC RESISTANCE Ω x m	NEGATIVE CONDUCTOR	SPECIFIC RESISTANCE Ω x m	VALUE of e.m.f. at mV a 200°C	# Tolerance Class 2 ± mV (°C)	THERMOCOUPLE ACRONYM
TX	**Red Copper**	0,01724	**Constantan**	0,4900	9,288	**0.06** *(1,0°)* from -25 to100°C	**T**
JX	**Iron**	0,14000	**Constantan**	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 EXTERNAL SHEATH	POSITIVE CONDUCTOR	NEGATIVE CONDUCTOR
TX	ANSI	Blue	Blue	Red
	DIN	Brown	Red	Brown
	BS	Blue	White	Blue
	NFE	Blue	Yellow	Blue
	JIS	Brown	Red	White
	IEC	Brown	Brown	White
KX	ANSI	Yellow	Yellow	Red
	DIN	Green	Red	Green
	BS	Red	Brown	Blue
	NFE	Yellow	Yellow	Violet
	JIS	Blue	Red	White
	IEC	Green	Green	White
WX	ANSI	White	Green	Red
	DIN	Green	Red	Green
	BS	-	-	-
	NFE	White	Yellow	White
	JIS	-	-	-
	IEC *	Green	Green	White

CABLE ACRONYM	STANDARD	COLOURS ESTERNAL SHEATH	POSITIVE CONDUCTOR	NEGATIVE CONDUCTOR
JX	ANSI	Black	White	Red
	DIN	Blue	Red	Blue
	BS	Black	Yellow	Blue
	NFE	Black	Yellow	Black
	JIS	Yellow	Red	White
	IEC	Black	Black	White
SX	ANSI	Green	Black	Red
	DIN	White	Red	White
	BS	Green	White	Blue
	NFE	Green	Yellow	Green
	JIS	Black	Red	White
	IEC	Orange	Orange	White

Formula to calculate resistance on the section

$$\frac{\text{Specific resistance } \Omega/m}{\text{Section } mm^2}$$

IEC-WX * Not regulated coloration, produced against specific request

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Redatto **SETP**	Verificato **SEP**	Approvato **DIG**

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