

**EXTENSION AND COMPENSATION CABLES FOR THERMOCOUPLE**

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




**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
<b>TX</b>	Red Copper	0,01724	Cuprothal	0,4900	9,288	<b>0.06</b> (1,0°) from -25 to 100°C	<b>T</b>
<b>JX</b>	Iron	0,14000	Cuprothal	0,4900	10,779	<b>0.14</b> (2.5°) from -25 to 200°C	<b>J</b>
<b>KX</b>	Chromel®	0,70600	Alumel®	0,2920	8,138	<b>0.10</b> (2.5°) from -25 to 200°C	<b>K</b>
<b>SCB (SX)</b>	Red Copper	0,01724	Copper-Nikel (Lega 11)	0,1200	1,440	<b>0.06</b> (5,0°) from 0 to 200°C	<b>S</b>
<b>KCA (WX)</b>	Iron	0,14000	Copper-Nikel (Lega 410)	0,5200	8,138	<b>0.10</b> (2.5°) from 0 to 150°C	<b>W/X</b>

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				
<b>TX</b>	ANSI	Blue	Blue	Red		<b>JX</b>	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			
<b>KX</b>	ANSI	Yellow	Yellow	Red		<b>SX</b>	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			
<b>WX</b>	ANSI	White	Green	Red		<b>Formula to calculate resistance on the section</b>							
	DIN	Green	Red	Green		<b>Specific resistance <math>\Omega/m</math></b>							
	BS	-	-	-		<b>Section <math>mm^2</math></b>							
	NFE	White	Yellow	White		<b>IEC-WX * Not regulated coloration, produced against specific request</b>							
	JIS	-	-	-									
	IEC *	Green	Green	White									

Data Emissione	11/09/1996	Indice Modifica	8	Data Modifica	30/11/2015
Redatto SETP		Verificato SEP		Approvato DIG	
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