




























Compensating and extension cables

Colour code and temperature range for compensating and extension cables

THERMOCOUPLE		 IEC 60584	 DIN 43710 *	 ANSI MC 96.1	 BS 4937				
Code	Material ⊕ ⊖	Identification		Identification		Identification		Identification	
		THL	AGL	THL	AGL	THL	AGL	THL	AGL
T	Cu - Cu Ni	 TX -25° to +100°C		 0° to +100°C	 0° to +100°C				
U	Cu - Cu Ni		 UX 0° to +200°C						
J	Fe - Cu Ni	 JX -25° to +200°C		 0° to +200°C	 0° to +200°C				
L	Fe - Cu Ni		 LX 0° to +200°C						
E	Ni Cr - Cu Ni	 EX -25° to +200°C		 0° to +200°C	 0° to +200°C				
K	Ni Cr - Ni	 KX -25° to +200°C		 0° to +200°C	 0° to +200°C				
K	Ni Cr - Ni	 KCA 0° to +150°C							
K	Ni Cr - Ni	 KCB 0° to +100°C					 0° to +100°C		
N	Ni Cr Si - Ni Si	 NX -25° to +200°C	 NC 0° to +150°C						
R S	Pt Rh 13 - Pt Pt Rh 10 - Pt	 RCB/ SCB 0° to +200°C		 0° to +200°C	 0° to +200°C				
B	Pt Rh 30 - Pt Rh 6			 0° to +100°C					

The application temperature range of the cable is limited by the highest application temperature of the insulating material or the application temperature range of the conductor material. In all cases the respective lower figure is valid. The compensating cable for the thermocouple type B can also be manufactured, deviating from the corresponding standards, for a temperature range from 0 to +200°C. Variant colour codes can be manufactured for a minimum order quantity.

* The standard 43710 was withdrawn in April 1994.

Therefore, the element types "U" and "L" are not standardized anymore.

THL = extension cable · AGL = compensating cable