

# Compensation & Extension Cables

## Besilen® insulated cables

A 6 L · A 6-022 L · A 6 D

with  
alu-foil shield



A 6 L · A 6-022 L



A 6 D

### Construction:

<b>Insulation:</b>	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
<b>Stranding:</b>	2 conductors together
<b>Wrapping:</b>	PETP foil, bare copper ground wire 0.5 mm ø
<b>Shielding:</b>	alu foil
<b>Jacket material:</b>	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
<b>Shape:</b>	round
<b>Conductor construction:</b>	A 6 L: A 6-022 L: strand A 6 D: wire

### Technical data:

<b>Min. bending radius:</b>	A 6 L, A 6-022 L: 7.5 x O.D. A 6 D: 12 x O.D.
<b>Radiation resistance:</b>	2 x 10 <sup>7</sup> cJ/kg
<b>Temperature range of insulation:</b>	static: -40/+180°C flexible: -25/+180°C short-time use: +250°C
<b>Insulation resistance:</b>	> 1MΩ x km
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosivity:</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

Type:	A 6 L:	A 6-022 L:	A 6 D:
Conductor cross section:	1.5 mm <sup>2</sup>	0.22 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Outer diameter:	approx. 7.0 mm	approx. 4.4 mm	approx. 6.4 mm
Weight/100m:	approx. 6.1 kg	approx. 2.0 kg	approx. 5.7 kg

### IEC 60584

for thermocouple	EMK at 100°C in mV	cable type	A 6 L item no.	A 6-022 L item no.	A 6 D item no.
Type T	4.28	TX	4288958	4281958	4288988
Type J	5.27	JX	4288952	4281952	4288982
Type K	4.10	KCA	4288995	4281995	4288915
Type K	4.10	KCB	4288999	4281999	4288919
Type K	4.10	KX	4288954	4281954	4288984
Type E	6.32	EX	4288953	4281953	4288983
Type R/S	0.65	R/SCB	4288997	4281997	4288917
Type N	2.77	NC	4288991	4281991	4288911

### DIN 43710 / 43714 (not valid for type B\*)

We continue to manufacture compensating and extension cables with color code acc. to DIN 43714 and the basic values of DIN 43710.

for thermocouple	EMK at 100°C in mV	cable type	A 6 L item no.	A 6-022 L item no.	A 6 D item no.
Type L	5.37	LX	4288992	4281992	4288912
Type K	4.10	KCA	4288994	4281994	4288914
Type R/S	0.65	R/SCB	4288996	4281996	4288916
Type U	4.25	UX	4288998	4281998	4288918
Type B*	0.00	BC-100	4288901	4281901	4288921
Type B*	0.033	BC-200	4288902	4281902	4288922

\* Not standardized compensating cable for thermocouples type B with application temperatures up to 100°C resp. 200°C.  
C = compensating cables · X = extension cables