

# Compensating and extension cables

## Besilen® insulated cables

A 3 Ln · A 4 Ln with steel wire armouring



A 3 Ln



A 4 Ln



Also available  
with cross-sections  
1,0 mm<sup>2</sup>, 0,75 mm<sup>2</sup>,  
0,5 mm<sup>2</sup> and 0,22 mm<sup>2</sup>!

### Construction:

<b>Insulation:</b>	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
<b>Stranding:</b>	2 cores parallel
<b>Sheath material:</b>	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
<b>Armouring:</b>	<b>A 4 Ln:</b> tinned steel wire armouring with tracer
<b>Shape:</b>	oval
<b>Conductor construction:</b>	strand

### Technical data:

<b>Min. bending radius:</b>	<b>A 3 Ln:</b> 10 x d <b>A 4 Ln:</b> 12 x d
<b>Radiation resistance:</b>	2 x 10 <sup>7</sup> cJ/kg
<b>Temperature range of insulation:</b>	fixed laying: -40/+180 °C flexible application: -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>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosiveness of conflagration gases:</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 chapter N „Technical data“

<b>Type:</b>	<b>A 3 Ln</b>	<b>A 4 Ln</b>
Conductor cross section:	1,5 mm <sup>2</sup>	1,5 mm <sup>2</sup>
Outer diameter:	approx. 3,7 x 6,2 mm	approx. 4,5 x 7,0 mm
Weight/100m:	approx. 4,6 kg	approx. 7,5 kg

### IEC 60584

for thermocouple	EMK at 100 °C in mV	cable type	A 3 Ln item no.	A 4 Ln item no.
Type T	4,28	TX	04138958	04168958
Type J	5,27	JX	04138952	04168952
Type K	4,10	KCA	04138995	04168995
Type K	4,10	KCB	04138999	04168999
Type K	4,10	KX	04138954	04168954
Type E	6,32	EX	04138953	04168953
Type R/S	0,65	R/SCB	04138997	04168997
Type N	2,77	NC	04138991	04168991

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

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

for thermocouple	EMK at 100 °C in mV	cable type	A 3 Ln item no.	A 4 Ln item no.
Type L	5,37	LX	04138992	04168992
Type K	4,10	KCA	04138994	04168994
Type R/S	0,65	R/SCB	04138996	04168996
Type U	4,25	UX	04138998	04168998
Type B*	0,00	BC-100	04138901	04168901
Type B*	0,033	BC-200	04138902	04168902

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