

Compensating and extension cables

Besilen® insulated cables

A 1 LB twisted · A 16 LB



A 1 LB twisted



A 16 LB

Also available
with cross-sections
1,0 mm², 0,75 mm²,
0,5 mm² and 0,22 mm²!

Construction:

Insulation: Besilen® EI2
acc. to EN 50363-1 + VDE 0207-363-1

Stranding: A 1 LB: 2 cores together
A 16 LB: 2 cores parallel

Shape: A 1 LB: round
A 16 LB: oval

Conductor construction: strand

Technical data:

Min. bending radius: 7,5 x d

Radiation resistance: 8 x 10⁷ cJ/kg

Temperature range of insulation:
fixed laying: -40/+180 °C
flexible application: -25/+180 °C
short-time use: +250 °C

Insulation resistance: > 1MΩ x km

Halogen-free: acc. to IEC 60754-1 + VDE 0482-754-1

Fire performance: flame retardant and self-extinguishing
acc. to IEC 60332-1-2 + VDE 0482-332-1-2

Corrosiveness of conflagration gases: in compliance with IEC 60754-2 + VDE 0482-754-2
- no development of corrosive conflagration gases

Absence of harmful substances: acc. to RoHS directive of the European Union,
see chapter N „Technical data“

Type:	A 1 LB twisted	A 16 LB
Conductor cross section:	1,5 mm ²	1,5 mm ²
Outer diameter:	approx. 5,0 mm	approx. 2,5 x 5,0 mm
Weight/100m:	approx. 3,3 kg	approx. 3,2 kg

IEC 60584

for thermocouple	EMK at 100 °C in mV	cable type	A 1 LB twisted item no.	A 1 LB item no.
Type T	4,28	TX	04048958	04068958
Type J	5,27	JX	04048952	04068952
Type K	4,10	KCA	04048995	04068995
Type K	4,10	KCB	04048999	04068999
Type K	4,10	KX	04048954	04068954
Type E	6,32	EX	04048953	04068953
Type R/S	0,65	R/SCB	04048997	04068997
Type N	2,77	NC	04048991	04068911

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 1 LB twisted item no.	A 1 LB item no.
Type L	5,37	LX	04048992	04068992
Type K	4,10	KCA	04048994	04068994
Type R/S	0,65	R/SCB	04048996	04068996
Type U	4,25	UX	04048998	04068998
Type B*	0,00	BC-100	04048901	04068901
Type B*	0,033	BC-200	04048902	04068902

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