

Compensation & 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 conductors together A 16 LB: 2 conductors parallel
Shape:	A 1 LB: round A 16 LB: oval
Conductor construction:	strand

Technical data:

Min. bending radius:	7.5 x O.D.
Radiation resistance:	2 x 10 ⁷ cJ/kg
Temperature range of insulation:	<i>static:</i> -40/+180°C <i>flexible:</i> -25/+180°C <i>short time use:</i> +250°C
Insulation resistance:	> 1MΩ x km
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosivity:	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 page O/30

Type: Conductor cross section: Outer diameter: Weight/100m:	A 1 LB twisted: 1.5 mm ² approx. 5.0 mm approx. 3.3 kg	A 16 LB: 1.5 mm ² approx. 2.5 x 5.0 mm approx. 3.2 kg
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IEC 60584

for thermocouple	EMK at 100°C in mV	cable type	A 1 LB twisted item no.	A 16 LB item no.
Type T	4.28	TX	4048958	4068958
Type J	5.27	JX	4048952	4068952
Type K	4.10	KCA	4048995	4068995
Type K	4.10	KCB	4048999	4068999
Type K	4.10	KX	4048954	4068954
Type E	6.32	EX	4048953	4068953
Type R/S	0.65	R/SCB	4048997	4068997
Type N	2.77	NC	4048991	4068911

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 1 LB twisted item no.	A 16 LB item no.
Type L	5.37	LX	4048992	4068992
Type K	4.10	KCA	4048994	4068994
Type R/S	0.65	R/SCB	4048996	4068996
Type U	4.25	UX	4048998	4068998
Type B*	0.00	BC-100	4048901	4068901
Type B*	0.033	BC-200	4048902	4068902

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