

Compensation & Extension Cables

Besilen® insulated cables

A 3 Ln · A 4 Ln with steel wire armoring



A 3 Ln



A 4 Ln



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:	2 conductors parallel
Jacket material:	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
Armoring:	A 4 Ln: tinned steel wire armoring with tracer
Shape:	oval
Conductor construction:	strand

Technical data:

Min. bending radius:	A 3 Ln: 10 x O.D. A 4 Ln: 12 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:	A 3 Ln:	A 4 Ln
Conductor cross section:	1.5 mm ²	1.5 mm ²
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	4138958	4168958
Type J	5.27	JX	4138952	4168952
Type K	4.10	KCA	4138995	4168995
Type K	4.10	KCB	4138999	4168999
Type K	4.10	KX	4138954	4168954
Type E	6.32	EX	4138953	4168953
Type R/S	0.65	R/SCB	4138997	4168997
Type N	2.77	NC	4138991	4168991

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 3 Ln item no.	A 4 Ln item no.
Type L	5.37	LX	4138992	4168992
Type K	4.10	KCA	4138994	4168994
Type R/S	0.65	R/SCB	4138996	4168996
Type U	4.25	UX	4138998	4168998
Type B*	0.00	BC-100	4138901	4168901
Type B*	0.033	BC-200	4138902	4168902

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