

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 mm², 0,75 mm², 0,5 mm² and 0,22 mm²!

Construction:

Insulation:	Besilen® EI2 acc. to DIN EN 50363-1
Stranding:	2 cores parallel
Sheath:	Besilen® EM9 acc. to DIN EN 50363-2-1
Armouring:	A 4 Ln: tinned steel wire armouring with tracer
Shape:	oval
Conductor construction:	strand

Technical data:

Min. bending radius:	A 3 Ln: 10 x d A 4 Ln: 12 x d
Radiation resistance:	2 x 10 ⁷ 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 DIN VDE 0472 part 815 and IEC 60754-1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/14

Type:	A 3 Ln	A 4 Ln
Conductor cross section:	1,5 mm ²	1,5 mm ²
Outer dimension:	approx. 3,7 x 6,1 mm	approx. 4,5 x 6,9 mm
Weight/100m:	approx. 4,6 kg	approx. 7,5 kg

DIN IEC 584

for thermocouple	EMF 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

We also manufacture compensating and extension cables colour coded to DIN VDE 43714 – 06/79 and the basic values laid down in DIN VDE 43710 which was withdrawn in April 1994.

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

for thermocouple	EMF 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