

Compensating and extension cables

Besilen® insulated cables

A 15 L · A 15-075 L · A15-050 L · A15-022 L



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Construction:

Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Stranding:	2 cores together
Sheath material:	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
Shape:	round
Conductor construction:	strand

Technical data:

Min. bending radius:	7,5 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 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 15 L	A 15-075 L	A 15-050 L	A 15-022 L
Conductor cross section:	1,5 mm ²	0,75 mm ²	0,50 mm ²	0,22 mm ²
Outer diameter:	approx. 6,2 mm	approx. 5,0 mm	approx. 4,4 mm	approx. 3,8 mm
Weight/100m:	approx. 5,8 kg	approx. 3,6 kg	approx. 2,6 kg	approx. 1,7 kg

IEC 60584

for thermocouple	EMK at 100 °C in mV	cable type	A 15 L item no.	A 15-075 L item no.	A 15-050 L item no.	A 15-022 L item no.
Type T	4,28	TX	04268958	04265958	04263958	04261958
Type J	5,27	JX	04268952	04265952	04263952	04261952
Type K	4,10	KCA	04268995	04265995	04263995	04261995
Type K	4,10	KCB	04268999	04265999	04263999	04261999
Type K	4,10	KX	04268954	04265954	04263954	04261954
Type E	6,32	EX	04268953	04265953	04263953	04261953
Type R/S	0,65	R/SCB	04268997	04265997	04263997	04261997
Type N	2,77	NC	04268991	04265991	04263991	04261991

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 15 L item no.	A 15-075 L item no.	A 15-050 L item no.	A 15-022 L item no.
Type L	5,37	LX	04268992	04265992	04263992	04261992
Type K	4,10	KCA	04268994	04265994	04263994	04261994
Type R/S	0,65	R/SCB	04268996	04265996	04263996	04261996
Type U	4,25	UX	04268993	04265993	04263993	04261993
Type B*	0,00	BC-100	04268901	04265901	04263901	04261901
Type B*	0,033	BC-200	04268902	04265902	04263902	04261902

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

C = compensating cables · X = extension cables