

# COMPENSATING AND EXTENSION CABLES

## Besilen® insulated cables A 15 L · A 15-075 L · A15-050 L · A15-022 L



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

### Construction:

<b>Insulation:</b>	Besilen® EI2 acc. to DIN EN 50363-1
<b>Stranding:</b>	2 cores together
<b>Sheath:</b>	Besilen® EM9 acc. to DIN EN 50363-2-1
<b>Shape:</b>	round
<b>Conductor construction:</b>	strand

### Technical data:

<b>Min. bending radius:</b>	7,5 x d
<b>Radiation resistance:</b>	2 x 10 <sup>7</sup> cJ/kg
<b>Temperature range of insulation:</b>	fixed laying: -40/+180 °C flexible application: -25/+180 °C short-time use: +250 °C
<b>Insulation resistance:</b>	> 1MΩ x km
<b>Halogen-free:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
<b>Corrosiveness of conflagration gases:</b>	in compliance with IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/14

<b>Type:</b>	<b>A 15 L</b>	<b>A 15-075 L</b>	<b>A 15-050 L</b>	<b>A 15-022 L</b>
Conductor cross section:	1,5 mm <sup>2</sup>	0,75 mm <sup>2</sup>	0,50 mm <sup>2</sup>	0,22 mm <sup>2</sup>
Outer diameter:	approx. 6,3 mm	approx. 4,9 mm	approx. 4,3 mm	approx. 3,3 mm
Weight/100m:	approx. 5,7 kg	approx. 3,4 kg	approx. 2,5 kg	approx. 1,6 kg

#### DIN IEC 584

for thermocouple	EMF 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

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and extension cables colour coded to DIN VDE 43714 – 06/79 and the basic values laid down in DIN VDE 43710 which was withdrawn in April 1994.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