

# Compensating and extension cables

## Besilen® insulated cables

A 11 Lr · A 11-4 Lr · A 11 Dr with fibre-glass braiding and steel wire armouring



A 11 Lr · A 11-4 Lr



A 11 Dr



Also available with cross-sections 1,0 mm<sup>2</sup>, 0,75 mm<sup>2</sup>, 0,5 mm<sup>2</sup> and 0,22 mm<sup>2</sup>!

### Construction:

<b>Insulation:</b>	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
<b>Stranding:</b>	2 resp. 4 cores together
<b>Braiding:</b>	fibre-glass with tracer
<b>Armouring:</b>	tinned steel wire armouring with tracer
<b>Shape:</b>	round
<b>Conductor construction:</b>	A 11 Lr, A11-4 Lr: strand A 11 Dr: wire

### Technical data:

<b>Min. bending radius:</b>	A 11 Lr, A11-4 Lr: 10 x d A 11 Dr: 12 x d
<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 IEC 60754-1 + VDE 0482-754-1
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosiveness of conflagration gases:</b>	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“

Type:	A 11 Lr	A 11-4 Lr	A 11 Dr
Conductor cross section:	1,5 mm <sup>2</sup>	1,5 mm <sup>2</sup>	1,5 mm <sup>2</sup>
Outer diameter:	approx. 6,3 mm	approx. 7,3 mm	approx. 5,5 mm
Weight/100m:	approx. 5,9 kg	approx. 9,6 kg	approx. 6,4 kg

### IEC 60584

for thermocouple	EMK at 100 °C in mV	cable type	A 11 Lr item no.	A 11- 4 Lr item no.	A 11 Dr item no.
Type T	4,28	TX	04218958	04210458	04238988
Type J	5,27	JX	04218952	04210452	04238982
Type K	4,10	KCA	04218995	04210495	04238915
Type K	4,10	KCB	04218999	04210499	04238919
Type K	4,10	KX	04218954	04210454	04238984
Type E	6,32	EX	04218953	04210453	04238983
Type R/S	0,65	R/SCB	04218997	04210497	04238917
Type N	2,77	NC	04218991	04210491	04238911

### 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 11 Lr item no.	A 11- 4 Lr item no.	A 11 Dr item no.
Type L	5,37	LX	04218992	04210492	04238912
Type K	4,10	KCA	04218994	04210494	04238914
Type R/S	0,65	R/SCB	04218996	04210496	04238916
Type U	4,25	UX	04218998	04210498	04238918
Type B*	0,00	BC-100	04218901	04210401	04238921
Type B*	0,033	BC-200	04218902	04210402	04238922

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