

# Compensation & Extension Cables

## Besilen® insulated cables

A 11 Lr · A 11-4 Lr · A 11 Dr with fiber-glass braiding and steel wire armoring



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>Conductor:</b>	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
<b>Stranding:</b>	2 resp. 4 conductors together
<b>Braiding:</b>	fiber-glass with tracer
<b>Armoring:</b>	tinned steel wire armoring with tracer
<b>Shape:</b>	round
<b>Conductor construction:</b>	strand resp. wire

### Technical data:

<b>Min. bending radius:</b>	A 11 Lr, A 11-4 Lr: 10 x O.D. A 11 Dr: 12 x O.D.
<b>Temperature range of insulation:</b>	<i>static:</i> -40/+180°C <i>flexible:</i> -25/+180°C <i>short-time use:</i> +250°C
<b>Insulation resistance:</b>	> 1MΩ x km
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Corrosivity:</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 page O/30

<b>Type:</b>	<b>A 11 Lr:</b>	<b>A 11-4 Lr</b>	<b>A 11 Dr:</b>
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

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### 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.

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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

