

# 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>Insulation:</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>	A 11 LR, A 11-4 Lr: strand A 11 DR: 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	4218958	4210458	4238988
Type J	5.27	JX	4218952	4210452	4238982
Type K	4.10	KCA	4218995	4210495	4238915
Type K	4.10	KCB	4218999	4210499	4238919
Type K	4.10	KX	4218954	4210454	4238984
Type E	6.32	EX	4218953	4210453	4238983
Type R/S	0.65	R/SCB	4218997	4210497	4238917
Type N	2.77	NC	4218991	4210491	4238911

### 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.

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	4218992	4210492	4238912
Type K	4.10	KCA	4218994	4210494	4238914
Type R/S	0.65	R/SCB	4218996	4210496	4238916
Type U	4.25	UX	4218998	4210498	4238918
Type B*	0.00	BC-100	4218901	4210401	4238921
Type B*	0.033	BC-200	4218902	4210402	4238922

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

C = compensating cables · X = extension cables