

Compensation & Extension Cables

PVC insulated cables

A 1 L twisted · A 1 L single · A 16 L



A1 L twisted



A1 L single



A16 L



Also available
with cross-sections
1.0 mm², 0.75 mm²,
0.5 mm² and 0.22 mm²

Construction:

Conductor:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
Stranding:	A 1 L: 2 conductors together A 1 L single: 2 conductors separately A 16 L: 2 conductors parallel positive conductor with colored stripe
Shape:	A 1 L: round A 16 L: oval
Conductor construction:	strand

Technical data:

Min. bending radius:	7.5 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range of insulation:	<i>static:</i> -40/+70°C <i>flexible:</i> +5/+70°C
Insulation resistance:	> 1MΩ x km
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

Type: Conductor cross section: Outer diameter: Weight/100m:	A 1 L twisted: 1.5 mm ² approx. 4.8 mm approx. 3.2 kg	A 1 L single: 1.5 mm ² approx. 2.4 mm approx. 3.2 kg	A 16 L: 0.75 mm ² approx. 1.9 x 3.8 mm approx. 1.8 kg
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IEC 60584

for thermocouple	EMK at 100°C in mV	cable type	A 1 L twisted item no.	A 1 L single item no.	A 16 L item no.
Type T	4.28	TX	04018958	04028958	04035958
Type J	5.27	JX	04018952	04028952	04035952
Type K	4.10	KCA	04018995	04028995	04035995
Type K	4.01	KCB	04018999	04028999	04035999
Type K	4.10	KX	04018954	04028954	04035954
Type E	6.32	EX	04018953	04028953	04035953
Type R/S	0.65	R/SCB	04018997	04028997	04035997
Type N	2.77	NC	04018991	04028991	04035991

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 1 L twisted item no.	A 1 L single item no.	A 16 L item no.
Type L	5.37	LX	04018992	04028992	04035992
Type K	4.10	KCA	04018994	04028994	04035994
Type R/S	0.65	R/SCB	04018996	04028996	04035996
Type U	4.25	UX	04018998	04028998	04035998
Type B*	0.00	BC-100	04018901	04028901	04035901
Type B*	0.033	BC-200	04018902	04028902	04035902

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