

Compensating and 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:

Insulation:	PVC, TI2 acc. to EN 50363-3 + VDE 0207-363-3
Stranding:	2 cores together 2 cores separately A 16 L: 2 cores parallel positive conductor with coloured stripe
Shape:	round A 16 L: oval
Conductor construction:	strand

Technical data:

Min. bending radius:	7,5 x d
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range of insulation:	fixed laying: -40/+70 °C flexible application: +5/+70 °C
Insulation resistance:	> 1MΩ x km
Fire performance:	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 chapter N „Technical Data“

Type:	A 1 L twisted	A 1 L single	A 16 L
Conductor cross section:	1,5 mm ²	1,5 mm ²	0,75 mm ²
Outer diameter:	approx. 4,8 mm	approx. 2,4 mm	approx. 1,9 x 3,8 mm
Weight/100m:	approx. 3,2 kg	approx. 3,2 kg	approx. 1,8 kg

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	4,10	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

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and extension cables colour coded to VDE 43714 – 06/79 and the basic values laid down in VDE 43710 which was withdrawn in April 1994.

DIN 43710/43714 (not valid for type B*)

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