

Compensation & Extension Cables

Fiber-glass insulated cables

A 3 L · A 4 L with steel wire armoring

with
SABtex braiding



A 3 L



A 4 L

Construction:

Insulation:	fiber-glass
Stranding:	2 conductors parallel
Braiding:	SABtex with tracer
Armoring:	A 4 L: tinned steel wire armoring with tracer
Shape:	oval
Conductor construction:	strand

Technical data:

Min. bending radius:	A 3 L: 10 x O.D. A 4 L: 12 x O.D.
Temperature range of insulation:	<i>static:</i> -50/+200°C <i>flexible:</i> -50/+200°C <i>short-time use:</i> +300°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 Cat. C resp. D Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2.
Corrosivity:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Smoke density:	low (low smoke emission)
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 3 L: 1.5 mm ² approx. 4.6 x 6.8 mm approx. 5.4 kg	A 4 L: 1.5 mm ² approx. 4.8 x 7.0 mm approx. 7.4 kg
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IEC 60584

for thermocouple	EMK at 100°C in mV	cable type	A 3 L item no.	A 4 L item no.
Type T	4.28	TX	4128958	4158958
Type J	5.27	JX	4128952	4158952
Type K	4.10	KCA	4128995	4158995
Type K	4.10	KCB	4128999	4158999
Type K	4.10	KX	4128954	4158954
Type E	6.32	EX	4128953	4158953
Type R/S	0.65	R/SCB	4128997	4158997
Type N	2.77	NC	4128991	4158991

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 3 L item no.	A 4 L item no.
Type L	5.37	LX	4128992	4158992
Type K	4.10	KCA	4128994	4158994
Type R/S	0.65	R/SCB	4128996	4158996
Type U	4.25	UX	4128998	4158998
Type B*	0.00	BC-100	4128901	4158901
Type B*	0.033	BC-200	4128902	4158902

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