

Compensating and extension cables

Fibre-glass insulated cables

A 3 L · A 4 L with steel wire armouring

with SABtex
braiding



A 3 L



A 4 L

Construction:

Insulation:	fibre-glass
Stranding:	2 cores parallel
Braiding:	SABtex with tracer
Armouring:	A 4 L: tinned steel wire armouring with tracer
Shape:	oval
Conductor construction:	strand

Technical data:

Min. bending radius:	A 3 L: 10 x d A 4 L: 12 x d
Temperature range of insulation:	fixed laying: -50/+200 °C flexible application: -50/+200 °C short-time use: +300 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	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, see chapter N „Technical Data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2.
Corrosiveness of conflagration gases:	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 chapter N „Technical Data“

Type:	A 3 L	A 4 L
Conductor cross section:	1,5 mm ²	1,5 mm ²
Outer diameter:	approx. 4,6 x 6,8 mm	approx. 4,8 x 7,0 mm
Weight/100m:	approx. 5,4 kg	approx. 7,4 kg

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	04128958	04158958
Type J	5,27	JX	04128952	04158952
Type K	4,10	KCA	04128995	04158995
Type K	4,10	KCB	04128999	04158999
Type K	4,10	KX	04128954	04158954
Type E	6,32	EX	04128953	04158953
Type R/S	0,65	R/SCB	04128997	04158997
Type N	2,77	NC	04128991	04158991

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and extension cables colour coded to VDE 43714 – 06/79 and the basic values laid down in VDE 43710 which was withdrawn in April 1994.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 3 L item no.	A 4 L item no.
Type L	5,37	LX	04128992	04158992
Type K	4,10	KCA	04128994	04158994
Type R/S	0,65	R/SCB	04128996	04158996
Type U	4,25	UX	04128998	04158998
Type B*	0,00	BC-100	04128901	04158901
Type B*	0,033	BC-200	04128902	04158902

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