

Compensation & Extension Cables

PVC insulated cables

A 9 L · A 9-100 L · A 9-075 L · A 9-050 L · A 9-022 L

also available as
halogen-free
construction



A 9 L · A 9-100 L · A 9-075 L · A 9-050 L



A 9-022L

Construction:

Conductor:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
Stranding:	2 conductors together
Jacket material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Shape:	round
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:	static: -40/+70°C flexible: +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 9 L: 1.5 mm ² approx. 6.1 mm approx. 5.0 kg	A 9-100 L: 1.0 mm ² approx. 5.1 mm approx. 4.4 kg	A 9-075 L: 0.75 mm ² approx. 4.9 mm approx. 3.9 kg	A 9-050 L: 0.50 mm ² approx. 4.3 mm approx. 2.9 kg	A 9-022 L: 0.22 mm ² approx. 3.3 mm approx. 1.6 kg
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IEC 60584

for thermocouple	EMK at 100°C in mV	cable type	A 9 L item no.	A 9-100 L item no.	A 9-075 L item no.	A 9-050 L item no.	A 9-022 L item no.
Type T	4.28	TX	04428958	04426958	04425958	04423958	04501958
Type J	5.27	JX	04428952	04426952	04425952	04423952	04501952
Type K	4.10	KCA	04428995	04426995	04425995	04423995	04501995
Type K	4.10	KCB	04428999	04426999	04425999	04423999	04501999
Type K	4.10	KX	04428954	04426954	04425954	04423954	04501954
Type E	6.32	EX	04428953	04426953	04425953	04423953	04501953
Type R/S	0.65	R/SCB	04428997	04426997	04425997	04423997	04501997
Type N	2.77	NC	04428991	04426991	04425991	04423991	04501991

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 9 L item no.	A 9-100 L item no.	A 9-075 L item no.	A 9-050 L item no.	A 9-022 L item no.
Type L	5.37	LX	04428992	04426992	04425992	04423992	04501992
Type K	4.10	KCA	04428994	04426994	04425994	04423994	04501994
Type R/S	0.65	R/SCB	04428996	04426996	04425996	04423996	04501996
Type U	4.25	UX	04428993	04426993	04425993	04423993	04501993
Type B*	0.00	BC-100	04428901	04426901	04425901	04423901	04501901
Type B*	0.033	BC-200	04428902	04426902	04425902	04423902	04501902

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