

# Compensating and 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 9-022 L

### Construction:

Insulation:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
Stranding:	2 cores together
Sheath 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 d
Radiation resistance:	8 x 10 <sup>7</sup> cJ/kg
Temperature range of insulation:	fixed laying: -40/+70 °C flexible application: +5/+70 °C
Insulation resistance:	> 1MQ 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 9 L	A 9-100 L	A 9-075 L	A 9-050 L	A 9-022 L
Conductor cross section:	1,5 mm <sup>2</sup>	1,0 mm <sup>2</sup>	0,75 mm <sup>2</sup>	0,50 mm <sup>2</sup>	0,22 mm <sup>2</sup>
Outer diameter:	approx. 6,1 mm	approx. 5,1 mm	approx. 4,9 mm	approx. 4,3 mm	approx. 3,3 mm
Weight/100m:	approx. 5,0 kg	approx. 4,4 kg	approx. 3,9 kg	approx. 2,9 kg	approx. 1,6 kg

### IEC 60584

for thermocouple	EMK at 100 °C in mV	cable type	A 1 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 colour 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