

# Compensation & Extension Cables

## PVC insulated cables

A 5 L · A 5-075 L · A 5-050 L · A 5-022 L

also available as  
halogen-free  
construction

with overall  
copper shield



A 5 L · A 5-075 L · A 5-050 L · A 5-022 L



4, 8, or 16 pairs  
on request

### Construction:

<b>Insulation:</b>	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
<b>Stranding:</b>	2 conductors together
<b>Wrapping:</b>	PETP foil
<b>Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Shape:</b>	round
<b>Conductor construction:</b>	strand

### Technical data:

<b>Min. bending radius:</b>	7.5 x O.D.
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range of insulation:</b>	static: -40/+70°C flexible: +5/+70°C
<b>Insulation resistance:</b>	> 1MΩ x km
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

<b>Type:</b>	<b>A 5 L:</b>	<b>A 5-075 L:</b>	<b>A 5-050 L:</b>	<b>A 5-022 L:</b>
Conductor cross section:	1.5 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. 6.6 mm	approx. 5.4 mm	approx. 4.8 mm	approx. 3.8 mm
Weight/100m:	approx. 6.6 kg	approx. 4.3 kg	approx. 3.5 kg	approx. 2.2 kg

### IEC 60584

for thermocouple	EMK at 100°C in mV	cable type	A 5 L item no.	A 5-075 L item no.	A 5-050 L item no.	A 5-022 L item no.
Type T	4.28	TX	4568958	4565958	4563958	4561958
Type J	5.27	JX	4568952	4565952	4563952	4561952
Type K	4.10	KCA	4568995	4565995	4563995	4561995
Type K	4.10	KCB	4568999	4565999	4563999	4561999
Type K	4.10	KX	4568954	4565954	4563954	4561954
Type E	6.32	EX	4568953	4565953	4563953	4561953
Type R/S	0.65	R/SCB	4568997	4565997	4563997	4561997
Type N	2.77	NC	4568991	4565991	4563991	4561991

### 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 5 L item no.	A 5-075 L item no.	A 5-050 L item no.	A 5-022 L item no.
Type L	5.37	LX	4568992	4565992	4563992	4561992
Type K	4.10	KCA	4568994	4565994	4563994	4561994
Type R/S	0.65	R/SCB	4568996	4565996	4563996	4561996
Type U	4.25	UX	4568998	4565998	4563998	4561998
Type B*	0.00	BC-100	4568901	4565901	4563901	4561901
Type B*	0.033	BC-200	4568902	4565902	4563902	4561902

\* Not standardized compensating cable for thermocouples type B with application temperatures up to 100°C resp. 200°C.

C = compensating cables · X = extension cables