

Compensating and 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 screen



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



4, 8 or 16 pairs
on request!

Construction:	
Insulation:	PVC, TI2 acc. to EN 50363-3 + VDE 0207-363-3
Stranding:	2 cores together
Wrapping:	PETP foil
Screen:	tinned copper braiding
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 ⁻⁷ cJ/kg
Temperature range of insulation:	fixed laying: -40/+70 °C flexible application: +5/+70 °C
Insulation resistance:	> 1MΩ 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 5 L	A 5-075 L	A 5-050 L	A 5-022 L
Conductor cross section:	1,5 mm ²	0,75 mm ²	0,50 mm ²	0,22 mm ²
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	04568958	04565958	04563958	04561958
Type J	5,27	JX	04568952	04565952	04563952	04561952
Type K	4,10	KCA	04568995	04565995	04563995	04561995
Type K	4,10	KCB	04568999	04565999	04563999	04561999
Type K	4,10	KX	04568954	04565954	04563954	04561954
Type E	6,32	EX	04568953	04565953	04563953	04561953
Type R/S	0,65	R/SCB	04568997	04565997	04563997	04561997
Type N	2,77	NC	04568991	04565991	04563991	04561991

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and extension cables colour coded to VDE 43714 – 06/79 and the basic values laid down in VDE 43710 which was withdrawn in April 1994.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 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	04568992	04565992	04563992	04561992
Type K	4,10	KCA	04568994	04565994	04563994	04561994
Type R/S	0,65	R/SCB	04568996	04565996	04563996	04561996
Type U	4,25	UX	04568998	04565998	04563998	04561998
Type B*	0,00	BC-100	04568901	04565901	04563901	04561901
Type B*	0,033	BC-200	04568902	04565902	04563902	04561902

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