

Compensation & Extension Cables

PVC insulated cables

A 12 L · A 12 D



A 12 L



A 12 D



A 12 L:
Also available
with cross-sections
1.0 mm², 0.75 mm²,
0.5 mm² and 0.22 mm²

Construction:

Conductor:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
Stranding:	2 conductors parallel
Jacket material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Shape:	round
Conductor construction:	strand resp. wire

Technical data:

Min. bending radius:	A 12 L: 7.5 x O.D. A 12 D: 12 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:	A 12 L:	A 12 D
Conductor cross section:	1.5 mm ²	1.5 mm ²
Outer diameter:	approx. 3.7 x 6.1 mm	approx. 3.2 x 5.3 mm
Weight/100m:	approx. 4.2 kg	approx. 4.3 kg

IEC 60584

for thermocouple	EMK at 100°C in mV	cable type	A 12 L item no.	A 12 D item no.
Type T	4.28	TX	04448958	04458988
Type J	5.27	JX	04448952	04458982
Type K	4.10	KCA	04448995	04458915
Type K	4.10	KCB	04448999	04458919
Type K	4.10	KX	04448954	04458984
Type E	6.32	EX	04448953	04458983
Type R/S	0.65	R/SCB	04448997	04458917
Type N	2.77	NC	04448991	04458911

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 12 L item no.	A 12 D item no.
Type L	5.37	LX	04448992	04458912
Type K	4.10	KCA	04448994	04458914
Type R/S	0.65	R/SCB	04448996	04458916
Type U	4.25	UX	04448998	04458918
Type B*	0.00	BC-100	04448901	04458921
Type B*	0.033	BC-200	04448902	04458922

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

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