

Compensating and extension cables

Besilen® insulated cables

A 6 L · A 6-022 L · A 6 D

with
alu foil screen



A 6 L · A 6-022 L



A 6 D

Construction:

Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Stranding:	2 cores together
Wrapping:	PETP foil, bare copper earth wire 0,5 mm Ø
Screen:	alu foil
Sheath material:	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
Shape:	round
Conductor construction:	A 6 L, A6-022 L: strand A 6 D: wire

Technical data:

Min. bending radius:	A 6 L, A 6-022 L: 7,5 x d A 6 D: 12 x d
Radiation resistance:	2 x 10 ⁷ cJ/kg
Temperature range of insulation:	<i>fixed laying:</i> -40/+180 °C <i>flexible application:</i> -25/+180 °C <i>short-time use:</i> +250 °C
Insulation resistance:	> 1MΩ x km
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

Type:	A 6 L	A 6-022 L	A 6 D
Conductor cross section:	1,5 mm ²	0,22 mm ²	1,5 mm ²
Outer diameter:	approx. 7,0 mm	approx. 4,4 mm	approx. 6,4 mm
Weight/100m:	approx. 6,1 kg	approx. 2,0 kg	approx. 5,7 kg

IEC 60584

for thermocouple	EMK at 100 °C in mV	cable type	A 6 L item no.	A 6-022 L item no.	A 6 D item no.
Type T	4,28	TX	04288958	04281958	04288988
Type J	5,27	JX	04288952	04281952	04288982
Type K	4,10	KCA	04288995	04281995	04288915
Type K	4,10	KCB	04288999	04281999	04288919
Type K	4,10	KX	04288954	04281954	04288984
Type E	6,32	EX	04288953	04281953	04288983
Type R/S	0,65	R/SCB	04288997	04281997	04288917
Type N	2,77	NC	04288991	04281991	04288911

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 6 L item no.	A 6-022 L item no.	A 6 D item no.
Type L	5,37	LX	04288992	04281992	04288912
Type K	4,10	KCA	04288994	04281994	04288914
Type R/S	0,65	R/SCB	04288996	04281996	04288916
Type U	4,25	UX	04288998	04281998	04288918
Type B*	0,00	BC-100	04288901	04281901	04288921
Type B*	0,033	BC-200	04288902	04281902	04288922

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

C = compensating cables · X = extension cables