

Compensating and extension cables

Besilen® insulated cables

A 15 LC · A 15-075 LC · A 15-050 LC · A 15-022 LC

with overall
copper screen



A 15 LC · A 15-075 LC · A 15-050 LC · A 15-022 LC

Construction:

Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Stranding:	2 cores together
Wrapping:	PETP foil
Screen:	tinned copper braiding
Sheath material:	Besilen® EM9 acc. to EN 50363-2-1 + VDE 0207-363-2-1
Shape:	round
Conductor construction:	strand

Technical data:

Min. bending radius:	12 x d
Radiation resistance:	2 x 10 ⁷ cJ/kg
Temperature range of insulation:	fixed laying: -40/+180 °C flexible application: -25/+180 °C short-time use: +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 15 LC	A 15-075 LC	A 15-050 LC	A 15-022 LC
Conductor cross section:	1,5 mm ²	0,75 mm ²	0,50 mm ²	0,22 mm ²
Outer diameter:	approx. 6,8 mm	approx. 5,7 mm	approx. 5,2 mm	approx. 4,3 mm
Weight/100m:	approx. 7,0 kg	approx. 4,6 kg	approx. 3,9 kg	approx. 2,5 kg

IEC 60584

for thermocouple	EMK at 100 °C in mV	cable type	A 15 LC item no.	A 15-075 LC item no.	A 15-050 LC item no.	A 15-022 LC item no.
Type T	4,28	TX	04308958	04305958	04303958	04301958
Type J	5,27	JX	04308952	04305952	04303952	04301952
Type K	4,10	KCA	04308995	04305995	04303995	04301995
Type K	4,10	KCB	04308999	04305999	04303999	04301999
Type K	4,10	KX	04308954	04305954	04303954	04301954
Type E	6,32	EX	04308953	04305953	04303953	04301953
Type R/S	0,65	R/SCB	04308997	04305997	04303997	04301997
Type N	2,77	NC	04308991	04305991	04303991	04301991

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and extension cables colour coded to VDE 43714 – 06/79 and the basic values laid down in VDE 43710 which was withdrawn in April 1994.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 15 LC item no.	A 15-075 LC item no.	A 15-050 LC item no.	A 15-022 LC item no.
Type L	5,37	LX	04308992	04305992	04303992	04301992
Type K	4,10	KCA	04308994	04305994	04303994	04301994
Type R/S	0,65	R/SCB	04308996	04305996	04303996	04301996
Type U	4,25	UX	04308998	04305998	04303998	04301998
Type B*	0,00	BC-100	04308901	04305901	04303901	04301901
Type B*	0,033	BC-200	04308902	04305902	04303902	04301902

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