

Compensating and extension cables

PVC insulated cables

A 20 L · A 20-022 L · A 20 D

with alu-foil screen



A 20 L · A 20-022 L



A 20 D

Construction:

Insulation:	PVC, TI2 acc. to EN 50363-3 + VDE 0207-363-3
Stranding:	2 cores together
Wrapping:	PETP foil, bare copper earth wire 0,5 mm ø
Screen:	alu foil
Sheath 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 20 L, A 20-022 L: 7,5 x d A 20 D: 12 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 20 L	A 20-022 L	A 20 D
Conductor cross section:	1,5 mm ²	0,22 mm ²	1,5 mm ²
Outer diameter:	approx. 6,6 mm	approx. 3,9 mm	approx. 6,4 mm
Weight/100m:	approx. 5,5 kg	approx. 1,9 kg	approx. 5,5 kg

IEC 60584

for thermocouple	EMK at 100 °C in mV	cable type	A 20 L item no.	A 20-022 L item no.	A 20 D item no.
Type T	4,28	TX	04548958	04541958	04648988
Type J	5,27	JX	04548952	04541952	04648982
Type K	4,10	KCA	04548995	04541995	04648915
Type K	4,10	KCB	04548999	04541999	04648919
Type K	4,10	KX	04548954	04541954	04648984
Type E	6,32	EX	04548953	04541953	04648983
Type R/S	0,65	R/SCB	04548997	04541997	04648917
Type N	2,77	NC	04548991	04541991	04648911

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and extension cables colour coded to VDE 43714 – 06/79 and the basic values laid down in VDE 43710 which was withdrawn in April 1994.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 20 L item no.	A 20-022 L item no.	A 20 D item no.
Type L	5,37	LX	04548992	04541992	04648912
Type K	4,10	KCA	04548994	04541994	04648914
Type R/S	0,65	R/SCB	04548996	04541996	04648916
Type U	4,25	UX	04548998	04541998	04648918
Type B*	0,00	BC-100	04548901	04541901	04648921
Type B*	0,033	BC-200	04548902	04541902	04648922

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