

# COMPENSATING AND EXTENSION CABLES

with Alu-foil screen

## PVC insulated cables A 20 L · A 20-022 L · A 20 D



A 20 L · A 20-022 L



A 20 D

### Construction:

<b>Insulation:</b>	PVC Tl2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Stranding:</b>	2 cores together
<b>Wrapping:</b>	PETP foil, bare copper earth wire 0,5 mm ø
<b>Screen:</b>	Alu-foil
<b>Sheath:</b>	<b>A 20 L:</b> PVC TM2 acc. to DIN VDE 0281 part 1 + HD 21.1 <b>A 20 D:</b> PVC YM3 acc. to DIN VDE 0207 part 5
<b>Shape:</b>	round
<b>Conductor construction:</b>	strand resp. wire

### Technical data:

<b>Min. bending radius:</b>	<b>A 20 L, A 20-022 L:</b> 7,5 x d <b>A 20 D:</b> 12 x d
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range of insulation:</b>	fixed laying: -40/+70 °C flexible application: +5/+70 °C
<b>Insulation resistance:</b>	> 1MΩ x km
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/14

<b>Type:</b>	<b>A 20 L</b>	<b>A 20-022 L</b>	<b>A 20 D</b>
Conductor cross section:	1,5 mm <sup>2</sup>	0,22 mm <sup>2</sup>	1,5 mm <sup>2</sup>
Conductor construction:	approx. 7,0 mm	approx. 4,0 mm	approx. 6,4 mm
Weight/100m:	approx. 5,9 kg	approx. 2,4 kg	approx. 5,5 kg

### DIN IEC 584

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and extension cables colour coded to DIN VDE 43714 – 06/79 and the basic values laid down in DIN VDE 43710 which was withdrawn in April 1994.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