

Compensating and extension cables

FEP insulated cables

A 18 L · A 18-022 L · A 19 L · A 19-022 L with overall copper screen



A 18 L · A 18-022 L



A 19 L · A 19-022 L

Construction:

Insulation:	FEP
Stranding:	2 cores together
Wrapping:	A 18 L, A 18-022 L: PETP foil
Screen:	A 19 L, A 19-022 L: tinned copper braiding
Sheath material:	FEP
Shape:	round
Conductor construction:	strand

Technical data:

Min. bending radius:	12 x d
Radiation resistance:	1 x 10 ⁷ cJ/kg
Temperature range of insulation:	fixed laying: -90/+180 °C flexible application: -55/+180 °C
Insulation resistance:	> 1MΩ x km
Fire performance:	no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 Cat. C resp. D, see chapter N „Technical Data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2.
Chem. resistance:	very good against fats, oils, salts and acids
Absence of harmful substances:	acc. to RoHS directive of the European Union see chapter N „Technical Data“

Type:	A 18 L	A 18-022 L	A 19 L	A 19-022 L
Conductor cross section:	1,5 mm ²	0,22 mm ²	1,5 mm ²	0,22 mm ²
Outer diameter:	approx. 4,8 mm	approx. 2,5 mm	approx. 5,5 mm	approx. 3,0 mm
Weight/100m:	approx. 4,2 kg	approx. 1,0 kg	approx. 5,9 kg	approx. 1,9 kg

IEC 60584

for thermocouple	EMK at 100 °C in mV	cable type	A 18 L item no.	A 18-022 L item no.	A 19 L item no.	A 19-022 L item no.
Type T	4,28	TX	04338958	04331958	04358958	04351958
Type J	5,27	JX	04338952	04331952	04358952	04351952
Type K	4,10	KCA	04338995	04331995	04358995	04351995
Type K	4,10	KCB	04338999	04331999	04358999	04351999
Type K	4,10	KX	04338954	04331954	04358954	04351954
Type E	6,32	EX	04338953	04331953	04358953	04351953
Type R/S	0,65	R/SCB	04338997	04331997	04358997	04351997
Type N	2,77	NC	04338991	04331991	04358991	04351991

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and extension cables colour coded to VDE 43714 – 06/79 and the basic values laid down in VDE 43710 which was withdrawn in April 1994.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 18 L item no.	A 18-022 L item no.	A 19 L item no.	A 19-022 L item no.
Type L	5,37	LX	04338992	04331992	04358992	04351992
Type K	4,10	KCA	04338994	04331994	04358994	04351994
Type R/S	0,65	R/SCB	04338996	04331996	04358996	04351996
Type U	4,25	UX	04338998	04331998	04358998	04351998
Type B*	0,00	BC-100	04338901	04331901	04358901	04351901
Type B*	0,033	BC-200	04338902	04331902	04358902	04351902

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