

Compensating and extension cables

Fibre-glass insulated cables

A 3 L · A 4 L with steel wire armouring

with
SABtex braiding



A 3 L



A 4 L

Construction:

| | |
|-------------------------|--|
| Insulation: | fibre-glass |
| Stranding: | 2 cores parallel |
| Braiding: | SABtex with tracer |
| Armouring: | A 4 L: tinned steel wire armouring with tracer |
| Shape: | oval |
| Conductor construction: | strand |

Technical data:

| | |
|---------------------------------------|--|
| Min. bending radius: | A 3 L: 10 x d A 4 L: 12 x d |
| Temperature range of insulation: | fixed laying: -50/+200 °C flexible application: -50/+200 °C short-time use: +300 °C |
| Halogen-free: | acc. to IEC 60754-1 + VDE 0482-754-1 |
| 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. |
| Corrosiveness of conflagration gases: | in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases |
| Smoke density: | low (low smoke emission) |
| Absence of harmful substances: | acc. to RoHS directive of the European Union, see chapter N „Technical data“ |

| | | |
|--------------------------|----------------------|----------------------|
| Type: | A 3 L | A 4 L |
| Conductor cross section: | 1,5 mm ² | 1,5 mm ² |
| Outer diameter: | approx. 4,6 x 6,8 mm | approx. 4,8 x 7,0 mm |
| Weight/100m: | approx. 5,4 kg | approx. 7,4 kg |

IEC 60584

| for thermocouple | EMK at 100 °C in mV | cable type | A 3 L item no. | A 4 L item no. |
|------------------|---------------------|------------|----------------|----------------|
| Type T | 4,28 | TX | 04128958 | 04158958 |
| Type J | 5,27 | JX | 04128952 | 04158952 |
| Type K | 4,10 | KCA | 04128995 | 04158995 |
| Type K | 4,10 | KCB | 04128999 | 04158999 |
| Type K | 4,10 | KX | 04128954 | 04158954 |
| Type E | 6,32 | EX | 04128953 | 04158953 |
| Type R/S | 0,65 | R/SCB | 04128997 | 04158997 |
| Type N | 2,77 | NC | 04128991 | 04158991 |

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 3 L item no. | A 4 L item no. |
|------------------|---------------------|------------|----------------|----------------|
| Type L | 5,37 | LX | 04128992 | 04158992 |
| Type K | 4,10 | KCA | 04128994 | 04158994 |
| Type R/S | 0,65 | R/SCB | 04128996 | 04158996 |
| Type U | 4,25 | UX | 04128998 | 04158998 |
| Type B* | 0,00 | BC-100 | 04128901 | 04158901 |
| Type B* | 0,033 | BC-200 | 04128902 | 04158902 |

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