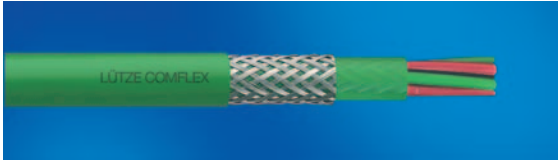


Compensation cables

COMFLEX



Application

- Temperature measurement and regulation with thermo elements in all processing areas

Properties

- Compensation cables are required for the precise temperature measurements. The thermovoltage created by the thermoelement is conducted over the compensation cable. The compensation cable consists of a plus and a minus cable which create the same thermovoltage as the thermoelement at 200°C.
- Compensation cables are composed of an alloy and are not identical with the associated thermoelement

Technical data

Test voltage	500 V
Isolation resistance	min. 10 MΩ × km
Temperature range	
PVC	-5 °C to +70 °C
Silicon	-25 °C to +180 °C
Burning behaviour	Flame-retardant according to VDE 0482 section 265-2-1 / DIN EN 50265-2-1
Halogen-free	Silicon conductors: according to DIN EN 50264-1; EN 50267-2-1 and 60684-2

Design

- Conductor from special material, material see table
- Conductor insulation see order details
- Conductor labelling coloured, with multi-paired conductors additional number printing
- Conductors stranded pairs
- Designs with steel wire braid are labelled with "+S" (inside jacket steel braid outer jacket)
GL=Glass silk
SI=Silicon
- Jacket colour see order details
- _ = use order designation/element short abbreviation

AN = compensation cable NiCr-Ni
 AE = compensation cable FeCu-Ni
 AP = compensation cable PtRh-Pt
 AC = compensation cable CuCu-Ni
 example: AN3LN

Fe-CuNi (AE) Fe=red(+); CuNi=blue(-); Jacket blue, Element L;
 NiCr-Ni (AN) NiCr= green(+); Ni=white; Jacket green; Element K;
 Cu-CuNi (AC) Cu=brown(+); CuNi=white(-); Jacket brown;
 Element T
 PtRh-Pt (AP) PtRh=orange(+); Pt=white(-); Jacket orange;
 Element R/S

Part-No.	Type	Number of strands/cross-section	Isolation/Jacket	Outer-∅ approx. mm	Weight kg/100 m
COMFLEX					
110351	A_12L	1×2×1,5	PVC-PVC	4.3	7.0
110353	A_9L	1×2×1,5	PVC-PVC	7.0	10.0
110359	A_13L	1×2×1,5	Silicon-GL	3.2	5.0
110360	A_3LN	1×2×1,5	Silicon SI	4.3	6.0
110361	A_4LN	1×2×1,5	Silicon SI+S	5.1	9.0
110362	A_15L	1×2×1,5	Silicon SI	7.0	8.0
110363	A_15 LP	1×2×1,5	Silicon SI+S	7.8	12.0
110364	A_11LR	1×2×1,5	Silicon-GL+S	6.7	10.0
110381	A_9-4L	2×2×1,5	PVC-PVC	8.1	12.0
110382	A_9-6L	3×2×1,5	PVC-PVC	10.1	17.5
110383	A_9-12L	6×2×1,5	PVC-PVC	13.2	30.5
110384	A_9-16L	8×2×1,5	PVC-PVC	15.1	45.5
110385	A_9-20L	10×2×1,5	PVC-PVC	16.7	63.0
110386	A_9-24L	12×2×1,5	PVC-PVC	19.0	71.0
110387	A_9-32L	16×2×1,5	PVC-PVC	21.3	89.0
110388	A_9-36L	18×2×1,5	PVC-PVC	22.1	97.0
110389	A_9-40L	20×2×1,5	PVC-PVC	24.1	110.0
110401	A_9-2LSY	1×2×1,5	PVC-PVC+S PVC	9.8	18.5
110402	A_9-4LSY	2×2×1,5	PVC-PVC+S PVC	10.9	24.5
110403	A_9-6LSY	3×2×1,5	PVC-PVC+S PVC	13.3	33.0
110404	A_9-12LSY	6×2×1,5	PVC-PVC+S PVC	17.0	52.0
110405	A_9-16LSY	8×2×1,5	PVC-PVC+S PVC	18.9	70.0
110406	A_9-20LSY	10×2×1,5	PVC-PVC+S PVC	20.5	86.0
110407	A_9-24LSY	12×2×1,5	PVC-PVC+S PVC	23.8	102.0
110408	A_9-32LSY	16×2×1,5	PVC-PVC+S PVC	26.1	122.0
110409	A_9-36LSY	18×2×1,5	PVC-PVC+S PVC	26.9	129.0
110410	A_9-40LSY	20×2×1,5	PVC-PVC+S PVC	28.9	143.0

CE These products are in conformity to the EC Low Voltage Directive 73/23/EWG or 93/68/EWG respectively