

# Compensation & Extension Cables

## PVC insulated cables

A 9 - L · A 9 - LSY with steel wire armoring

multi-paired



A 9 - L



A 9 - LSY



Also available  
with cross-sections  
1.0 mm<sup>2</sup>, 0.75 mm<sup>2</sup>,  
0.5 mm<sup>2</sup> and 0.22 mm<sup>2</sup>

### Construction:

Insulation:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	4 conductors pair-wise numbered
Stranding:	conductors together in layers
Jacket material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Armoring:	<b>A 9- LSY:</b> galvanized steel wire armoring
Shape:	round
Conductor construction:	strand

### Technical data:

Min. bending radius:	<b>A 9 - L:</b> 7.5 x O.D. <b>A 9- LSY:</b> 12 x O.D.
Radiation resistance:	8 x 10 <sup>7</sup> cJ/kg
Temperature range of insulation:	<i>static:</i> -40/+70°C <i>flexible:</i> +5/+70°C
Insulation resistance:	> 1MΩ x km
Burning characteristics:	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 page O/30

Type:	<b>A 9 - L:</b> Conductor cross section:	<b>A 9 - LSY</b> 1.5 mm <sup>2</sup>
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no. of conductors	for thermocouples	outer ø approx. in mm	weight approx. kg/100 m	cable type	<b>A 9 - L</b>	outer ø approx. in mm	weight approx. kg/100 m	cable type	<b>A 9 - LSY</b>
2	1	6.1	6.4	A 9 L	44289...	8.5	11.3	A 9-2 LSY	046289...
4	2	7.1	9.8	A 9-4 L	44204...	9.5	15.0	A 9-4 LSY	046204...
6	3	8.7	14.1	A 9-6 L	44206...	11.3	21.4	A 9-6 LSY	046206...
12	6	11.9	25.8	A 9-12 L	44212...	14.7	36.0	A 9-12 LSY	046212...
16	8	13.2	33.2	A 9-16 L	44216...	16.4	46.9	A 9-16 LSY	046216...
20	10	15.0	42.2	A 9-20 L	44220...	18.0	57.2	A 9-20 LSY	046220...
24	12	16.7	49.2	A 9-24 L	44224...	19.7	64.0	A 9-24 LSY	046224...
32	16	18.8	65.4	A 9-32 L	44232...	21.4	80.5	A 9-32 LSY	046232...
36	18	19.5	72.6	A 9-36 L	44236...	22.1	88.6	A 9-36 LSY	046236...
40	20	20.9	80.6	A 9-40 L	44240...	24.1	100.1	A 9-40 LSY	046240...

In case of order, please indicate the corresponding thermocouple. (please see SAB thermocouple code page M/5)

Example: Type A 9 - 16 L for thermocouple type R/S acc. to DIN 43713 = item no. 4421696

The type A 9-L can also be manufactured with solid conductors 1.38 mm ø.

The type identification for solid types is: type A 9 - D (item group 0463...).

If no stock material is available, the min. order quantity is 500 m.

The types of multi-paired compensating cables can also be delivered pair-wise twisted and pairs totally twisted for additional charge.