

■ Cable end-sleeves to DIN, copper, 0.25 - 240 mm²

- For fine and superfine conductors, e.g. VDE 0295 Class 5 and 6
- Also in silver plated design

Characteristics

- Manufactured to DIN 46228, part 1

Material

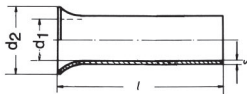
- Copper to EN 13600

Surface

- tin plated
- optional silver plated

Order info

- * = Not standardised



Cross-section mm ²	Part No.		Dimensions mm				Weight/ 1000 pcs. ~ kg	pcs.
	tin plated	silver plated	d1	d2	l	s		
0.25	*695V	*695	0.75	1.7	5	0.15	0.02	1000
	*697V	*697	0.75	1.7	7	0.15	0.03	1000
0.34	*705V	*7050	0.85	1.8	5	0.15	0.02	1000
	*707V	*707	0.85	1.8	7	0.15	0.03	1000
0.5	71S6V	71S6	1.00	2.1	6	0.15	0.03	1000
	*71S8V	*71S8	1.00	2.1	8	0.15	0.04	1000
	71S10V	71S10	1.00	2.1	10	0.15	0.05	1000
0.75	716V	716	1.20	2.3	6	0.15	0.04	1000
	*718V	*718	1.20	2.3	8	0.15	0.05	1000
	7110V	7110	1.20	2.3	10	0.15	0.06	1000
	*7112V	*7112	1.20	2.3	12	0.15	0.08	1000
	*7115V	*7115	1.20	2.3	15	0.15	0.09	1000
1	72S6V	72S6	1.40	2.5	6	0.15	0.04	1000
	*72S8V	*72S8	1.40	2.5	8	0.15	0.06	1000
	72S10V	72S10	1.40	2.5	10	0.15	0.07	1000
	*72S12V	*72S12	1.40	2.5	12	0.15	0.08	1000
	*72S15V	*72S15	1.40	2.5	15	0.15	0.10	1000
1.5	*726V	*726	1.70	2.8	6	0.15	0.05	1000
	727V	727	1.70	2.8	7	0.15	0.06	1000
	*728V	*728	1.70	2.8	8	0.15	0.07	1000
	7210V	7210	1.70	2.8	10	0.15	0.09	1000
	7212V	7212	1.70	2.8	12	0.15	0.10	1000
	*7215V	*7215	1.70	2.8	15	0.15	0.13	1000
	7218V	7218	1.70	2.8	18	0.15	0.15	1000
	*7220V	*7220	1.70	2.8	20	0.15	0.17	1000
2.5	737V	737	2.20	3.4	7	0.15	0.08	1000
	*738V	*738	2.20	3.4	8	0.15	0.09	1000
	7310V	7310	2.20	3.4	10	0.15	0.11	1000
	7312V	7312	2.20	3.4	12	0.15	0.13	1000
	*7315V	*7315	2.20	3.4	15	0.15	0.17	1000
	7318V	7318	2.20	3.4	18	0.15	0.20	1000
	*7320V	*7320	2.20	3.4	20	0.15	0.22	1000

■ **Cable end-sleeves to DIN, copper,
0.25 - 240 mm²**

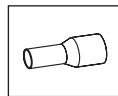
Cross-section mm ²	Part No.		Dimensions mm				Weight/1000 pcs. ~ kg	pcs.
	tin plated	silver plated	d1	d2	l	s		
4	*748V	*748	2.80	4.0	8	0.20	0.14	1000
	749V	749	2.80	4.0	9	0.20	0.16	1000
	*7410V	*7410	2.80	4.0	10	0.20	0.17	1000
	7412V	7412	2.80	4.0	12	0.20	0.20	1000
	7415V	7415	2.80	4.0	15	0.20	0.27	1000
	7418V	7418	2.80	4.0	18	0.20	0.32	1000
	*7420V	*7420	2.80	4.0	20	0.20	0.35	1000
6	7510V	7510	3.50	4.7	10	0.20	0.23	100
	7512V	7512	3.50	4.7	12	0.20	0.27	100
	7515V	7515	3.50	4.7	15	0.20	0.34	100
	7518V	7518	3.50	4.7	18	0.20	0.40	100
	*7520V	*7520	3.50	4.7	20	0.20	0.45	100
	*7525V	*7525	3.50	4.7	25	0.20	0.56	100
10	*7610V	*7610	4.5	5.8	10	0.2	0.27	100
	7612V	7612	4.5	5.8	12	0.2	0.33	100
	7615V	7615	4.5	5.8	15	0.2	0.41	100
	7618V	7618	4.5	5.8	18	0.2	0.49	100
	*7620V	*7620	4.5	5.8	20	0.2	0.55	100
	*7625V	*7625	4.5	5.8	25	0.2	0.68	100
16	7712V	7712	5.8	7.5	12	0.2	0.43	100
	7715V	7715	5.8	7.5	15	0.2	0.53	100
	7718V	7718	5.8	7.5	18	0.2	0.60	100
	*7720V	*7720	5.8	7.5	20	0.2	0.70	100
	7725V	7725	5.8	7.5	25	0.2	0.87	100
	7732V	7732	5.8	7.5	32	0.2	1.11	100
25	*7812V	*7812	7.3	9.5	12	0.3	0.80	50
	7815V	7815	7.3	9.5	15	0.3	0.99	50
	7818V	7818	7.3	9.5	18	0.3	1.18	50
	*7820V	*7820	7.3	9.5	20	0.3	1.31	50
	7825V	7825	7.3	9.5	25	0.3	1.63	50
	*7828V	*7828	7.3	9.5	28	0.3	1.82	50
	7832V	7832	7.3	9.5	32	0.3	2.07	50
35	*7912V	*7912	8.3	11.0	12	0.3	0.90	50
	*7915V	*7915	8.3	11.0	15	0.3	1.12	50
	7918V	7918	8.3	11.0	18	0.3	1.34	50
	*7920V	*7920	8.3	11.0	20	0.3	1.48	50
	*7922V	*7922	8.3	11.0	22	0.3	1.63	50
	7925V	7925	8.3	11.0	25	0.3	1.80	50
	*7930V	*7930	8.3	11.0	30	0.3	2.20	50
	7932V	7932	8.3	11.0	32	0.3	2.35	50
50	8018V	8018	10.5	13.0	18	0.3	1.69	50
	*8022V	*8022	10.5	13.0	22	0.3	2.05	50
	8025V	8025	10.5	13.0	25	0.3	2.32	50
	*8030V	*8030	10.5	13.0	30	0.3	2.77	50
	8032V	8032	10.5	13.0	32	0.3	2.95	50
70	*8122V	*8122	12.7	15.0	22	0.4	3.31	25
	*8125V	*8125	12.7	15.0	25	0.4	3.75	25
	*8130V	*8130	12.7	15.0	30	0.4	4.48	25
	*8132V	*8132	12.7	15.0	32	0.4	4.78	25
95	*8225V	*8225	14.7	17.0	25	0.4	4.32	25
	*8230V	*8230	14.7	17.0	30	0.4	5.17	25
	*8232V	*8232	14.7	17.0	32	0.4	5.17	25
	*8234V	*8234	14.7	17.0	34	0.4	5.84	25



■ Cable end-sleeves to DIN, copper, 0.25 - 240 mm²

Cross-section mm ²	Part No.		Dimensions mm				Weight/ 1000 pcs. ~ kg	pcs.
	tin plated	silver plated	d1	d2	l	s		
120	*8330V	*8330	16.7	19.0	30	0.5	7.35	25
	*8332V	*8332	16.7	19.0	32	0.5	7.83	25
	*8334V	*8334	16.7	19.0	34	0.5	8.31	25
	*8338V	*8338	16.7	19.0	38	0.5	9.28	25
	*8340V	*8340	16.7	19.0	40	0.5	9.76	25
150	*8432V	*8432	18.7	21.0	32	0.5	8.75	25
	*8434V	*8434	18.7	21.0	34	0.5	9.28	25
	*8438V	*8438	18.7	21.0	38	0.5	10.36	25
	*8440V	*8440	18.7	21.0	40	0.5	10.89	25
185	*8532V	*8532	20.2	23.5	32	0.6	11.38	25
	*8540V	*8540	20.2	23.5	40	0.6	14.17	25
240	*8634V	*8634	23.0	24.0	34	0.5	11.25	25
	*8640V	*8640	23.0	24.0	40	0.5	13.23	25

► Tool: see chart page 169



■ Cable end-sleeves to DIN 0.5 - 2.5 mm²

■ For fine and superfine conductors, e.g. VDE 0295 Class 5 + 6

Characteristics

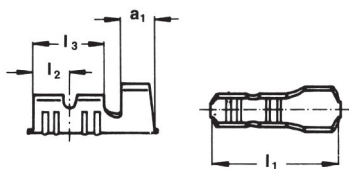
■ Manufactured according to DIN 46228, part 2

Material

■ brass (CuZn)

Surface

■ tin plated

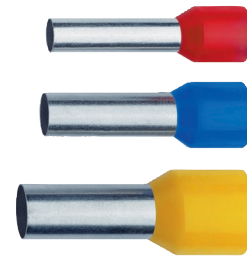
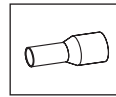


Cross-section mm ²	Nominal size to DIN	Part No.	Dimensions mm					Weight/ 1000 pcs. ~ kg	pcs.
			l1	l2	l3	a1	s		
0.5-1	B 1 - 7	SH271	11	3.5	7	2.5	0.3	0.20	100
1.5	B 1.5 - 7	SH272	11	3.5	7	2.5	0.3	0.23	100
2.5	B 2.5 - 7	SH273	11	3.5	7	2.5	0.3	0.32	100

► Tool: see chart page 171

**Insulated cable end-sleeves to DIN
0.5 - 150 mm²**

- Colour-coding and tube dimensions to DIN 46228, part 4
- For fine and superfine stranded conductors



Characteristics

- Manufactured according to DIN 46228, part 4
- Insulated, free of halide
- Heat resistant to 105° C

Material

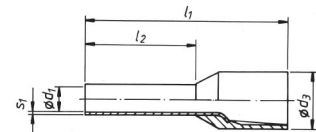
- Copper to EN 13600
- Synthetic material: polypropylene

Surface

- tin plated

Order info

- * = Not standardised

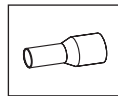


Cross-section mm ²	Part No.	Colour	Dimensions mm					Weight/ 1000 pcs. ~ kg	pcs.
			d1	d3	l1	l2	s1		
0.5	*4696	□	1.0	3.1	12	6	0.15	0.070	1000
	4698	□	1.0	3.1	14	8	0.15	0.070	1000
	GR4698	□	1.0	3.1	14	8	0.15	0.070	500
	46910	□	1.0	3.1	16	10	0.15	0.085	1000
0.75	4706	■	1.2	3.3	12	6	0.15	0.080	1000
	4708	■	1.2	3.3	14	8	0.15	0.080	1000
	GR4708	■	1.2	3.3	14	8	0.15	0.080	500
	47010	■	1.2	3.3	16	10	0.15	0.100	1000
	47012	■	1.2	3.3	18	12	0.15	0.105	1000
1	4716	■	1.4	3.5	12	6	0.15	0.090	1000
	4718	■	1.4	3.5	14	8	0.15	0.100	1000
	GR4718	■	1.4	3.5	14	8	0.15	0.100	500
	47110	■	1.4	3.5	16	10	0.15	0.120	1000
	47112	■	1.4	3.5	18	12	0.15	0.125	1000
1.5	4726	■	1.7	4.0	12	6	0.15	0.105	1000
	4728	■	1.7	4.0	14	8	0.15	0.110	1000
	GR4728	■	1.7	4.0	14	8	0.15	0.110	500
	47210	■	1.7	4.0	16	10	0.15	0.130	1000
	47212	■	1.7	4.0	18	12	0.15	0.150	1000
	47218	■	1.7	4.0	24	18	0.15	0.190	1000
2.5	4738	■	2.2	4.7	14	8	0.15	0.150	1000
	GR4738	■	2.2	4.7	14	8	0.15	0.150	500
	47312	■	2.2	4.7	18	12	0.15	0.200	1000
	47318	■	2.2	4.7	24	18	0.15	0.250	1000
4	47410	■	2.8	5.4	17	10	0.20	0.210	100
	47412	■	2.8	5.4	20	12	0.20	0.250	100
	47418	■	2.8	5.4	26	18	0.20	0.320	100
6	47512	■	3.5	6.9	20	12	0.20	0.350	100
	47518	■	3.5	6.9	26	18	0.20	0.460	100
10	47612	■	4.5	8.4	22	12	0.20	0.450	100
	47618	■	4.5	8.4	28	18	0.20	0.650	100
16	47712	■	5.8	9.6	24	12	0.20	0.650	100
	47718	■	5.8	9.6	28	18	0.20	0.800	100

■ Insulated cable end-sleeves to DIN
0.5 - 150 mm²

Cross-section mm ²	Part No.	Colour	Dimensions mm					Weight/ 1000 pcs. ~ kg	pcs.
			d1	d3	l1	l2	s1		
25	47816	■	7.3	12.0	30	16	0.20	1.600	50
	47818	■	7.3	12.0	32	18	0.20	1.700	50
	47822	■	7.3	12.0	36	22	0.20	2.000	50
35	47916	■	8.3	13.5	30	16	0.20	1.900	50
	47918	■	8.3	13.5	32	18	0.20	2.100	50
	47925	■	8.3	13.5	39	25	0.20	2.500	50
50	48020	■	10.3	16.0	36	20	0.30	3.300	50
	48025	■	10.3	16.0	40	25	0.30	3.600	50
70	*48121	■	13.5	17.2	37	21	0.40	4.620	25
95	*48225	■	14.7	19.2	44	25	0.40	6.000	25
120	*48327	■	16.7	21.4	48	27	0.45	7.850	25
150	*48432	■	19.5	25.0	58	32	0.50	12.330	25

► Tool: see chart page 171



■ Insulated cable end-sleeves 0.14 - 50 mm²

■ For fine and superfine stranded conductors



Characteristics

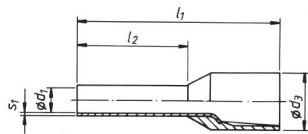
- Tube dimensions to DIN 46228, part 4
- Insulated, free of halide
- Heat resistant to 105° C

Material

- Copper to EN 13600
- Synthetic material: polypropylene

Surface

- tin plated



Cross-section mm ²	Part No.	Colour	Dimensions mm					Weight/ 1000 pcs. ~ kg	pcs.
			d1	d3	l1	l2	s1		
0.14	166GR	■	0.7	2.3	10.4	6	0.12	0.035	1000
	166GRL	■	0.7	2.3	12.4	8	0.12	0.040	1000
0.25	167H	■	0.8	2.3	10.4	6	0.15	0.045	1000
	167HL	■	0.8	2.3	12.4	8	0.15	0.050	1000
0.34	168T	■	0.8	2.5	10.4	6	0.15	0.045	1000
	168TL	■	0.8	2.5	12.4	8	0.15	0.050	1000
0.5	1690K	■	1.0	3.0	12.0	6	0.15	0.070	1000
	1690	■	1.0	3.0	14.0	8	0.15	0.070	1000
	GR1690	■	1.0	3.0	14.0	8	0.15	0.070	500
	1690H	■	1.0	3.0	16.0	10	0.15	0.085	1000
0.75	170WK	□	1.2	3.2	12.4	6	0.15	0.080	1000
	170W	□	1.2	3.2	14.6	8	0.15	0.080	1000
	GR170W	□	1.2	3.2	14.6	8	0.15	0.080	500
	170WH	□	1.2	3.2	16.4	10	0.15	0.100	1000
	170WL	□	1.2	3.2	18.4	12	0.15	0.105	1000

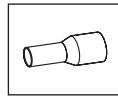
■ Insulated cable end-sleeves 0.14 - 50 mm²

Cross-section mm ²	Part No.	Colour	Dimensions mm					Weight/1000 pcs. ~ kg	pcs.
			d1	d3	l1	l2	s1		
1	171GK	■	1.4	3.5	12.4	6	0.15	0.090	1000
	171G	■	1.4	3.5	14.6	8	0.15	0.100	1000
	GR171G	■	1.4	3.5	14.6	8	0.15	0.100	500
	171GH	■	1.4	3.5	16.4	10	0.15	0.120	1000
	171GL	■	1.4	3.5	18.4	12	0.15	0.125	1000
1.5	172RK	■	1.7	4.0	12.0	6	0.15	0.105	1000
	172RO	■	1.7	4.0	14.6	8	0.15	0.110	1000
	GR172RO	■	1.7	4.0	14.6	8	0.15	0.110	500
	172RH	■	1.7	4.0	16.4	10	0.15	0.130	1000
	172RM	■	1.7	4.0	18.4	12	0.15	0.140	1000
	172RL	■	1.7	4.0	24.4	18	0.15	0.190	1000
2.5	173B	■	2.3	4.9	15.2	8	0.15	0.150	1000
	GR173B	■	2.3	4.9	15.2	8	0.15	0.150	500
	173BH	■	2.3	4.9	19.0	12	0.15	0.200	1000
	173BL	■	2.3	4.9	25.0	18	0.15	0.250	1000
4	174GR	■	2.9	5.5	16.5	10	0.15	0.210	100
	174GRH	■	2.9	5.5	19.5	12	0.15	0.250	100
	174GRL	■	2.9	5.5	25.5	18	0.15	0.320	100
6	175S	■	3.5	6.3	20.0	12	0.20	0.350	100
	175SL	■	3.5	6.3	26.0	18	0.20	0.460	100
10	176E	■	4.5	8.0	21.5	12	0.20	0.450	100
	176EL	■	4.5	8.0	27.5	18	0.20	0.650	100
16	177GR	■	5.8	9.6	22.2	12	0.20	0.650	100
	177GRL	■	5.8	9.6	28.2	18	0.20	0.800	100
25	178BR	■	7.3	12.1	29.0	16	0.20	1.600	50
	178BRL	■	7.3	12.1	35.0	22	0.20	2.000	50
35	179B	■	8.3	13.6	30.0	16	0.20	1.900	50
	179BL	■	8.3	13.6	39.0	25	0.20	2.500	50
50	1800	■	10.3	16.4	36.4	20	0.35	3.300	50
	1800L	■	10.3	16.4	41.4	25	0.35	4.000	50

► Tool: see chart page 171



Cable end-sleeves



Insulated cable end-sleeves 0.14 - 25 mm²

■ For fine and superfine stranded conductors

Characteristics

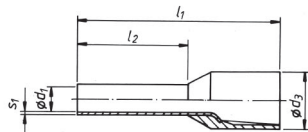
- Tube dimensions to DIN 46228, part 4
- Insulated, free of halide
- Heat resistant to 105° C

Material

- Copper to EN 13600
- Synthetic material: polypropylene

Surface

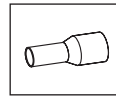
- tin plated



Cross-section mm ²	Part No.	Colour	Dimensions mm					Weight/ 1000 pcs. ~ kg	pcs.
			d1	d3	l1	l2	s1		
0.14	1666	■	0.7	2.4	10.4	6	0.12	0.035	1000
	1668	■	0.7	2.4	12.4	8	0.12	0.040	1000
0.25	1676	■	0.8	2.5	11.0	6	0.15	0.045	1000
	1678	■	0.8	2.5	13.0	8	0.15	0.050	1000
0.34	1686	■	0.8	2.5	11.0	6	0.15	0.045	1000
	1688	■	0.8	2.5	13.0	8	0.15	0.050	1000
0.5	1696	□	1.0	3.1	11.0	6	0.15	0.070	1000
	1698	□	1.0	3.1	13.0	8	0.15	0.080	1000
	GR1698	□	1.0	3.1	13.0	8	0.15	0.080	500
0.75	1706	■	1.2	3.2	11.5	6	0.15	0.080	1000
	1708	■	1.2	3.2	13.5	8	0.15	0.095	1000
	GR1708	■	1.2	3.2	13.5	8	0.15	0.095	500
1	1716	■	1.4	3.4	11.5	6	0.15	0.085	1000
	1718	■	1.4	3.4	13.5	8	0.15	0.100	1000
	GR1718	■	1.4	3.4	13.5	8	0.15	0.100	500
1.5	1726	■	1.7	3.9	11.5	6	0.15	0.100	1000
	1728	■	1.7	3.9	13.5	8	0.15	0.120	1000
	GR1728	■	1.7	3.9	13.5	8	0.15	0.120	500
	17210	■	1.7	3.9	16.4	10	0.15	0.130	1000
	17212	■	1.7	3.9	18.4	12	0.15	0.140	1000
	17218	■	1.7	3.9	22.8	18	0.15	0.220	1000
2.5	1738	■	2.2	4.7	14.5	8	0.15	0.140	1000
	GR1738	■	2.2	4.7	14.5	8	0.15	0.140	500
	17312	■	2.2	4.7	19.0	12	0.15	0.200	1000
	17318	■	2.2	4.7	24.0	18	0.15	0.280	1000
4	17410	■	2.8	5.5	16.5	10	0.20	0.260	100
	17412	■	2.8	5.5	20.0	12	0.20	0.300	100
	17418	■	2.8	5.5	25.5	18	0.20	0.390	100
6	17512	■	3.5	7.0	20.0	12	0.20	0.410	100
	17518	■	3.5	7.0	26.0	18	0.20	0.530	100
10	17612	■	4.5	8.4	21.5	12	0.20	0.550	100
	17618	■	4.5	8.4	27.0	18	0.20	0.710	100
16	17712	□	5.8	9.8	23.5	12	0.20	0.660	100
	17718	□	5.8	9.8	29.0	18	0.20	0.850	100
25	17816	■	7.3	12.0	28.0	16	0.20	1.500	50
	17818	■	7.3	12.0	30.0	18	0.20	1.550	50
	17822	■	7.3	12.0	34.0	22	0.20	2.000	50

► Tool: see chart page 171

■ **Insulated cable end-sleeves 0.5 - 2.5 mm²**



- With identification symbols, 6 identification rings maximum
- For fine and superfine stranded conductors

Characteristics

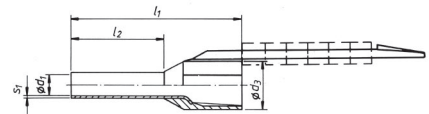
- Tube dimensions to DIN 46228, part 4
- Insulated, free of halide
- Heat resistant to 105° C

Material

- Copper to EN 13600
- Synthetic material: polypropylene

Surface

- tin plated



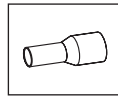
Cross-section mm ²	Part No.	Colour	Dimensions mm					Weight/1000 pcs. ~ kg	pcs.
			d1	d3	l1	l2	s1		
0.5	3698	□	1.0	3.1	13.0	8	0.15	0.16	1000
0.75	3708	■	1.2	3.2	13.5	8	0.15	0.16	1000
1	3718	■	1.4	3.4	13.5	8	0.15	0.18	1000
1.5	3728	■	1.7	3.9	13.5	8	0.15	0.20	1000
2.5	3738	■	2.2	4.7	14.5	8	0.15	0.22	1000

► Tool: see chart page 171

Identification symbols, 200 each per symbol

Symbol	number 0-9	letter A-Z	sign +	sign -	Fork
Part No.	380/0 to 9	380/A to Z	380/+	380/-	A300

Cable end-sleeves



■ Insulated cable end-sleeves for short circuit resistant conductors 1.5 - 16 mm²

■ For short circuit resistant conductors (e.g. NSGAFÖU)

Characteristics

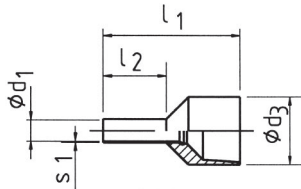
- Insulated, free of halide
- Heat resistant to 105° C

Material

- Copper to EN 13600
- Synthetic material: polypropylene

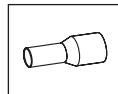
Surface

- tin plated



Cross-section mm ²	Part No.	Colour	Dimensions mm					Weight/1000 pcs. ~ kg	pcs.
			d1	d3	l1	l2	s1		
1.5	4328	■	1.8	8.1	17.5	8	0.15	0.22	100
	43210	■	1.8	8.1	19.5	10	0.15	0.27	100
2.5	4338	■	2.3	8.6	17.5	8	0.15	0.24	100
	43312	■	2.3	8.6	21.5	12	0.15	0.36	100
4	43410	■	2.9	10.5	19.5	10	0.20	0.36	100
6	43512	■	3.6	11.0	23.0	12	0.20	0.49	100
10	43612	■	4.6	11.7	24.0	12	0.20	0.65	100
16	43712	■	6.0	14.4	25.5	12	0.20	0.93	100

► Tool: see chart page 171



■ Insulated twin cable end-sleeves 0.25 - 16 mm²

■ For multi-purpose use of clamps



Characteristics

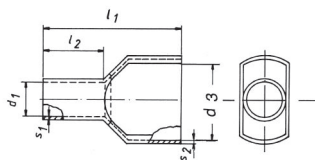
- Insulated, free of halide
- Heat resistant to 105° C

Material

- Copper to EN 13600
- Synthetic material: polypropylene

Surface

- tin plated



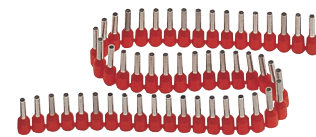
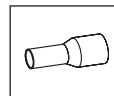
Cross-section mm ²	Part No.	Colour	Dimensions mm					pcs.	
			d1	d3	l1	l2	s1		s2
0,25	8678	■	1,15	1,8/3,4	15,0	8	0,15	0,25	1000
0,34	8688	■	1,15	1,8/3,4	15,0	8	0,15	0,25	1000
0,5	8698	■	1,50	2,5/4,7	15,0	8	0,15	0,25	1000
0.75	8708	■	1.80	2.8/5.0	15.0	8	0.15	0.25	1000
	87010	■	1.80	2.8/5.0	17.0	10	0.15	0.25	1000
1	8718	■	2.05	3.4/5.4	15.0	8	0.15	0.30	1000
	87110	■	2.05	3.4/5.4	17.0	10	0.15	0.30	1000

■ **Insulated twin cable end-sleeves**
0.25 - 16 mm²

Cross-section mm ²	Part No.	Colour	Dimensions mm						
			d1	d3	l1	l2	s1	s2	pcs.
1.5	8728	■	2.30	3.6/6.6	16.0	8	0.15	0.30	1000
	87212	■	2.30	3.6/6.6	20.0	12	0.15	0.30	1000
2.5	87310	■	2.90	4.2/7.8	18.5	10	0.20	0.30	100
	87313	■	2.90	4.2/7.8	21.5	13	0.20	0.30	100
4	87412	■	3.80	4.9/8.8	23.0	12	0.20	0.30	100
6	87514	■	4.90	6.9/10.0	26.0	14	0.20	0.40	100
10	87614	■	6.50	7.2/13.0	26.0	14	0.20	0.40	100
16	87714	■	8.30	9.6/18.4	30.0	14	0.20	0.40	100

► Tool: see chart page 174

■ **Insulated cable end-sleeves 0.5 - 2.5 mm²**



- Strips
- Colour-coding and tube dimension to DIN 46228, part 4
- For fine and superfine stranded conductors

Characteristics

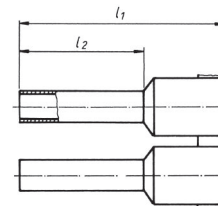
- Insulated, free of halide
- Heat resistant to 105° C

Material

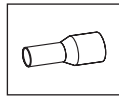
- Copper to EN 13600
- Synthetic material: polypropylene

Surface

- tin plated



Cross-section mm ²	Part No.	Colour	Dimensions mm		pcs.
			l1	l2	
0.5	ST9698	□	14	8	500
0.75	ST9708	■	14	8	500
1	ST9718	■	14	8	500
1.5	ST9728	■	14	8	500
2.5	ST9738	■	14	8	500



■ **Insulated cable end-sleeves 0.5 - 2.5 mm²**

- on tape, small spool
- Colour-coding and tube dimensions to DIN 46228, part 4
- For fine and superfine stranded conductors

Characteristics

- Insulated, free of halide
- Heat resistant to 105° C

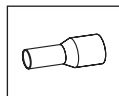
Material

- Copper to EN 13600
- Synthetic material: polypropylene

Surface

- tin plated

Cross-section mm ²	Part No.	Colour	Dimensions mm		pcs.
			l1	l2	
0.5	BAK9698	□	14	8	1100
0.75	BAK9708	■	14	8	1100
1	BAK9718	■	14	8	800
1.5	BAK9728	■	14	8	800
2.5	BAK9738	■	14	8	500



■ **Insulated cable end-sleeves 0.5 - 2.5 mm²**

- on tape, large spool
- Colour-coding and tube dimensions to DIN 46228, part 4
- For fine and superfine stranded conductors

Characteristics

- Insulated, free of halide
- Heat resistant to 105° C

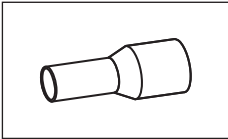
Material

- Copper to EN 13600
- Synthetic material: polypropylene

Surface

- tin plated

Cross-section mm ²	Part No.	Colour	Dimensions mm		pcs.
			l1	l2	
0.5	BAG9698	□	14	8	10000
0.75	BAG9708	■	14	8	10000
1	BAG9718	■	14	8	7500
1.5	BAG9728	■	14	8	7500
2.5	BAG9738	■	14	8	5000



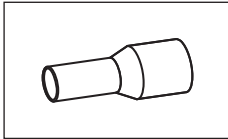
■ **Tool application chart**

**cable end-sleeves
acc. to DIN 46228, part 1**

Crimping range corresponds to nominal cross-section mm²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
0.14-2.5	K1		•							240
	K48		•							241
0.14-6	K32		•							242
	K37		•							243
	KP1	+KP312		•						267
	KP1L	+KP312		•						267
	EKP1	+KP312				•				322
	TEKP1	+KP312		•						419
	KPM15	+KP312		•						420
	K303		•							244
0.14-10	KP1	+KP303		•						267
	KP1L	+KP303		•						267
	EKP1	+KP303				•				322
	TEKP1	+KP303		•						419
	KPM15	+KP303		•						420
	K50			•						271
0.14-50	EK1550					•				316
	EK1550G					•				320
	EK1550ST					•				318
	K4		•							238
0.5-6	K36		•							241
	K382		•							244
0.5-16	K3		•						239	
1.5-6	K46		•							238
	KP1	+KP351		•						267
	KP1L	+KP351		•						267
	EKP1	+KP351				•				322
	TEKP1	+KP351		•						419
	KPM15	+KP351		•						420
6-16	K34		•						242	
10-16	KP1	+KP304		•						267
	KP1L	+KP304		•						267
	EKP1	+KP304				•				322
	TEKP1	+KP304		•						419
	KPM15	+KP304		•						420

See next page

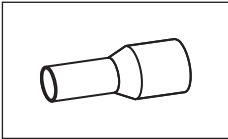
Cable end-sleeves



■ Tool application chart

**cable end-sleeves
acc. to DIN 46228, part 1**

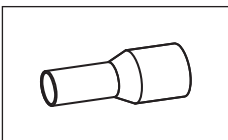
Crimping range corresponds to nominal cross-section mm ²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
10-16	KP1	+KP352		•					○	267
	KP1L	+KP352		•					○	267
	EKP1	+KP352				•			○	322
	TEKP1	+KP352		•					○	419
	KPM15	+KP352		•					○	420
10-25	K39		•						□	243
10-35	K35		•						◡	239
10-50	K271		•						◡	245
	K28		•						□	246
	EK354					•			□	324
10-95	K18			•					□ ◡	274
	HK6018				•				□ ◡	294
	EK18PLUS					•			□ ◡	326
	PK18							•	□ ◡	387
	THK18						•		□ ◡	358
	HK60UNV	+ UA18				•			□ ◡	309
	EK60UNV	+ UA18				•			□ ◡	347
PK60UNV	+ UA18						•	□ ◡	405	
10-150	THK22						•		□ ◡	360
10-240	K22			•					□ ◡	276
	HK6022				•				□ ◡	296
	EK22PLUS					•			□ ◡	328
	PK22							•	□ ◡	389
	HK60UNV	+ UA22			•				□ ◡	309
	EK60UNV	+ UA22				•			□ ◡	347
	PK60UNV	+ UA22						•	□ ◡	405
25-240	HK12025				•				□ ◡	300
	HK12042				•				□ ◡	302
	HK122						•		□ ◡	362
	PK12038							•	□ ◡	393
	PK120U							•	□ ◡	395
	HK252						•		□ ◡	364
	PK252							•	□ ◡	397
	HK120U				•				□ ◡	304
	EK12025					•			□ ◡	332
	EK12042					•			□ ◡	334
	EK120UPLUS					•			□ ◡	336
50-95	K272		•						◡	245
	K29		•						□	246



■ Tool application chart

Cable end-sleeves to DIN 46228, part 2

Crimping range corresponds to nominal cross-section mm ²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
0.5x2.5	K66		•							240
	KP1	+KP66		•						267
	KP1L	+KP66		•						267
	EKP1	+KP66				•				322
	TEKP1	+KP66		•						419
	KPM15	+KP66		•						420



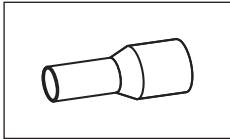
■ Tool application chart

Insulated cable end-sleeves to DIN 46228, part 4,
Insulated cable end-sleeves for short circuit resistant conductors

Crimping range corresponds to nominal cross-section mm ²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
0.14-2.5	K1		•							240
	K48		•							241
0.14-6	K32		•							242
	K37		•							243
	KP1	+KP312		•						267
	KP1L	+KP312		•						267
	EKP1	+KP312				•				322
	TEKP1	+KP312		•						419
	KPM15	+KP312		•						420
0.14-10	K303		•							244
	KP1	+KP303		•						267
	KP1L	+KP303		•						267
	EKP1	+KP303				•				322
	TEKP1	+KP303		•						419
	KPM15	+KP303		•						420
0.14-50	K50			•						271
	EK1550					•				316
	EK1550G					•				320
	EK1550ST					•				318

See next page

Cable end-sleeves

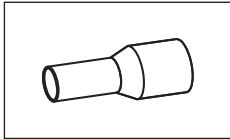


■ Tool application chart

Insulated cable end-sleeves to DIN 46228, part 4,
Insulated cable end-sleeves for short circuit resistant conductors

Crimping range corresponds to nominal cross-section mm ²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
0.5-2.5	K4		•							238
0.5-6	K36		•							241
	K382		•							244
0.5-16	K3		•							239
1.5-6	K46		•							238
	KP1	+KP351		•						267
	KP1L	+KP351		•						267
	EKP1	+KP351				•				322
	TEKP1	+KP351		•						419
	KPM15	+KP351		•						420
6-16	K34		•							242
10-16	KP1	+KP304		•						267
	KP1L	+KP304		•						267
	EKP1	+KP304				•				322
	TEKP1	+KP304		•						419
	KPM15	+KP304		•						420
	KP1	+KP352		•						267
	KP1L	+KP352		•						267
	EKP1	+KP352				•				322
	TEKP1	+KP352		•						419
	KPM15	+KP352		•						420
10-25	K39		•							243
10-35	K35		•							239
10-50	K271		•							245
	K28		•							246
	EK354					•				324
10-95	K18			•						274
	HK6018				•					294
	EK18PLUS					•				326
	PK18							•		387
	THK18						•			358
	HK60UNV	+ UA18				•				309
	EK60UNV	+ UA18					•			347
PK60UNV	+ UA18						•		405	

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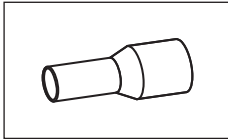


■ Tool application chart

Insulated cable end-sleeves to DIN 46228, part 4,
Insulated cable end-sleeves for short circuit resistant conductors

Crimping range corresponds to nominal cross-section mm ²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
10-150	K22			•						276
	HK6022				•					296
	EK22PLUS					•				328
	PK22							•		389
	THK22						•			360
	HK60UNV + UA22					•				309
	EK60UNV + UA22						•			347
	PK60UNV + UA22							•		405
25-150	HK12025				•					300
	HK12042					•				302
	HK120U					•				304
	EK12025						•			332
	EK12042							•		334
	EK120UPLUS							•		336
	HK122						•			362
	HK122EL220						•			367
	HK122EL380						•			367
	PK12038							•		393
	PK120U							•		395
	HK252						•			364
	HK252EL220						•			369
	HK252EL380						•			369
	PK252							•		397
	50-95	K272		•						
K29			•							246

Cable end-sleeves



■ Tool application chart

Insulated
twin cable end-sleeves

Crimping range corresponds to nominal cross-section mm ²	Crimping tools		Tool type						Crimping profile	Page (Tool)
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads		
2x0.5 – 2x2.5	K32		•							242
	K382		•							244
	KP1	+KP312		•						267
	KP1L	+KP312		•						267
	EKP1	+KP312				•				322
	TEKP1	+KP312		•						419
	KPM15	+KP312		•						420
2x0.5 – 2x4	K303		•							244
	K36		•							241
	KP1	+KP303		•						267
	KP1L	+KP303		•						267
	EKP1	+KP303				•				322
	TEKP1	+KP303		•						419
	KPM15	+KP303		•						420
2x4 – 2x6	K34		•							242
	KP1	+KP304		•						267
	KP1L	+KP304		•						267
	EKP1	+KP304				•				322
	TEKP1	+KP304		•						419
2x4 – 2x16	K271		•							245
	K28		•							246
	EK354					•				324
	K18			•						274
	HK6018				•					294
	EK18PLUS					•				326
	PK18							•		387
	THK18						•			358
	HK60UNV	+ UA18			•					309
	EK60UNV	+ UA18				•				347
	PK60UNV	+ UA18						•		405
	THK22						•			360
	K22			•						276
	HK6022				•					296
	EK22PLUS					•				328
	PK22							•		389
	HK60UNV	+ UA22			•					309
EK60UNV	+ UA22				•				347	
PK60UNV	+ UA22						•		405	