



# PROTECTION - CABLE END-SLEEVES, INSULATED AND NON-INSULATED

Klauke joins together what belongs together. Cable end-sleeves prevent the conductors splicing before they are connected in clamps. All wires remain together. Easy-Entry insulation speeds up the insertion of wires into the sleeve. Fine-stranded conductors in particular benefit from a special trapezoidal crimp. No splicing, no time wasted. Your conductors are protected and can be cleanly processed



## In brief

- ▶ Stops conductors splicing
- ▶ Improved contact
- ▶ No risk of short-circuit due to bent strands
- ▶ Produced from high-quality copper
- ▶ Surface treatment with tin or in special versions with silver

## ▶ Simple diversity

We have to admit: Cable end-sleeves are a simple product. Due to the differing crimp shapes in the range and the high-quality materials used in production, the sleeves are just incredibly good.

- Broad range: To DIN standards, for short circuit-resistant conductors, in various lengths, with and without insulating collars

- Marked to DIN colour code
- Twin cable end-sleeves for connecting in confined areas
- High-quality material for optimum conducting properties
- CSA-approved

## ▶ Always the right crimp shape

We give every cable end-sleeve its perfect crimp shape. No matter where the conductor is to be laid later, we have a solution for you.

- The correct crimp shape for every connecting terminal
- Crimp shapes matched to the DIN dimensions
- For compacted conductors
- Connect without risk of short-circuit



The easy-entry insulation enables fast insertion of conductors with no splicing.

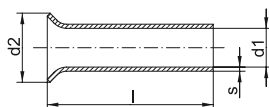
## ▶ Easy-Entry insulation

The special Easy-Entry insulation makes it easier to insert the conductor into the sleeves. In addition, the insulation is highly-resistant, to temperatures of up to 105 °C for example.

- Easy-Entry insulation for convenient insertion of the conductor
- Temperature-resistant to 105 °C
- No toxic vapours in case of fire
- Ageing-resistant plastic collars



## Cable end-sleeves to DIN, Cu



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Optimal cable entry due to widened sleeve



### Characteristics

- To DIN 46228, part 1 and similar



### Material

- Copper

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 148

### Additional information

- Silvered version also available, without Part Number appendix "V", exception: Part Number 705V in silvered version = Part No. 7050
- \* = not standardised

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

### Cable end-sleeves to DIN, Cu

Nominal cross section mm <sup>2</sup>	Part No.	Hint	Dimension mm				Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			d1	d2	l	s		
4	<b>748V</b>	*	2.80	4.0	9	0.20	0.14	1000
	<b>749V</b>		2.80	4.0	9	0.20	0.16	1000
	<b>7410V</b>	*	2.80	4.0	10	0.20	0.17	1000
	<b>7412V</b>		2.80	4.0	12	0.20	0.20	1000
	<b>7415V</b>		2.80	4.0	15	0.20	0.27	1000
	<b>7418V</b>		2.80	4.0	18	0.20	0.32	1000
	<b>7420V</b>	*	2.80	4.0	20	0.20	0.35	1000
6	<b>7510V</b>		3.50	4.7	10	0.20	0.23	100
	<b>7512V</b>		3.50	4.7	12	0.20	0.27	100
	<b>7515V</b>		3.50	4.7	15	0.20	0.34	100
	<b>7518V</b>		3.50	4.7	18	0.20	0.40	100
	<b>7520V</b>	*	3.50	4.7	20	0.20	0.45	100
	<b>7525V</b>	*	3.50	4.7	25	0.20	0.56	100
10	<b>7610V</b>	*	4.5	5.8	10	0.2	0.27	100
	<b>7612V</b>		4.5	5.8	12	0.2	0.33	100
	<b>7615V</b>		4.5	5.8	15	0.2	0.41	100
	<b>7618V</b>		4.5	5.8	18	0.2	0.49	100
	<b>7620V</b>	*	4.5	5.8	20	0.2	0.55	100
	<b>7625V</b>	*	4.5	5.8	25	0.2	0.68	100
16	<b>7712V</b>		5.8	7.5	12	0.2	0.43	100
	<b>7715V</b>		5.8	7.5	15	0.2	0.53	100
	<b>7718V</b>		5.8	7.5	18	0.2	0.60	100
	<b>7720V</b>	*	5.8	7.5	20	0.2	0.70	100
	<b>7725V</b>		5.8	7.5	25	0.2	0.87	100
	<b>7732V</b>		5.8	7.5	32	0.2	1.11	100
25	<b>7812V</b>	*	7.3	9.5	12	0.2	0.80	50
	<b>7815V</b>		7.3	9.5	15	0.2	0.99	50
	<b>7818V</b>		7.3	9.5	18	0.2	1.18	50
	<b>7820V</b>	*	7.3	9.5	20	0.2	1.31	50
	<b>7825V</b>		7.5	9.5	25	0.2	1.63	50
	<b>7828V</b>	*	7.3	9.5	28	0.2	1.82	50
	<b>7832V</b>		7.3	9.5	32	0.2	2.07	50
35	<b>7912V</b>	*	8.3	11.0	12	0.2	0.90	50
	<b>7915V</b>	*	8.3	11.0	15	0.2	1.12	50
	<b>7918V</b>		8.3	11.0	18	0.2	1.34	50
	<b>7920V</b>	*	8.3	11.0	20	0.2	1.48	50
	<b>7922V</b>	*	8.3	11.0	22	0.2	1.63	50
	<b>7925V</b>		8.5	11.0	25	0.2	1.80	50
	<b>7930V</b>	*	8.3	11.0	30	0.2	2.20	50
50	<b>7932V</b>		8.5	11.0	32	0.2	2.35	50
	<b>8018V</b>		10.3	13.0	18	0.3	1.69	50
	<b>8022V</b>	*	10.3	13.0	22	0.3	2.05	50
	<b>8025V</b>		10.3	13.0	25	0.3	2.32	50
	<b>8030V</b>	*	10.3	13.0	30	0.3	2.77	50
	<b>8032V</b>		10.3	13.0	32	0.3	2.95	50

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### Cable end-sleeves to DIN, Cu

Nominal cross section mm <sup>2</sup>	Part No.	Hint	Dimension mm				Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			d1	d2	l	s		
70	<b>8122V</b>	*	12.7	15.0	22	0.4	3.31	25
	<b>8125V</b>	*	12.7	15.0	25	0.4	3.75	25
	<b>8130V</b>	*	12.7	15.0	30	0.4	4.48	25
	<b>8132V</b>	*	12.7	15.0	32	0.4	4.78	25
95	<b>8225V</b>	*	14.7	17.0	25	0.4	4.32	25
	<b>8230V</b>	*	14.7	17.0	30	0.4	5.17	25
	<b>8232V</b>	*	14.7	17.0	32	0.4	5.17	25
	<b>8234V</b>	*	14.7	17.0	34	0.4	5.84	25
120	<b>8330V</b>	*	16.7	19.0	30	0.5	7.35	25
	<b>8332V</b>	*	16.7	19.0	32	0.5	7.83	25
	<b>8334V</b>	*	16.7	19.0	34	0.5	8.31	25
	<b>8338V</b>	*	16.7	19.0	38	0.5	9.28	25
150	<b>8340V</b>	*	16.7	19.0	40	0.5	9.76	25
	<b>8432V</b>	*	18.7	21.0	32	0.5	8.75	25
	<b>8434V</b>	*	18.7	21.0	34	0.5	9.28	25
	<b>8438V</b>	*	18.7	21.0	38	0.5	10.36	25
185	<b>8440V</b>	*	18.7	21.0	40	0.5	10.89	25
	<b>8532V</b>	*	20.2	23.5	32	0.6	11.38	25
240	<b>8540V</b>	*	20.2	23.5	40	0.6	14.17	25
	<b>8634V</b>	*	23.0	26.0	34	0.5	11.25	25
	<b>8640V</b>	*	23.0	26.0	40	0.5	13.23	25

## Insulated cable end-sleeves to DIN, with Easy-Entry



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Easy-Entry insulation for splice-free cable insertion
- ▶ Halogen-free

### Characteristics

- Colour-coding and tube dimension to DIN 46228, part 4
- Heat resistant to 105° C

### Material

- Cu-DHP
- Synthetic material: polypropylene

### Surface

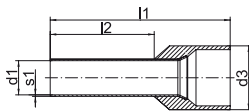
- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 148

### Additional information

- \* = not standardised
- \*\*\* = quantities in one bag



Nominal cross section mm <sup>2</sup>	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ 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
1	47012	■		1.2	3.3	18	12	0.15	0.105	1000
	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
1.5	47110	■		1.4	3.5	16	10	0.15	0.120	1000
	47112	■		1.4	3.5	18	12	0.15	0.125	1000
	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
2.5	47212	■		1.7	4.0	18	12	0.15	0.150	1000
	47218	■		1.7	4.0	24	18	0.15	0.190	1000
	4738	■		2.2	4.7	14	8	0.15	0.150	1000
	GR4738	■	***	2.2	4.7	14	8	0.15	0.150	500
4	47312	■		2.2	4.7	18	12	0.15	0.200	1000
	47318	■		2.2	4.7	24	18	0.15	0.250	1000
	47410	■		2.8	5.4	17	10	0.20	0.210	100
	47412	■		2.8	5.4	20	12	0.20	0.250	100
6	47418	■		2.8	5.4	26	18	0.20	0.320	100
	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

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## Insulated cable end-sleeves to DIN, with Easy-Entry

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
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
25	47816	■		7.3	12.0	30	16	0.20	1.600	50
	47818	■		7.3	12.0	30	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	30	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	■	*	14.5	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

## Insulated cable end-sleeves to DIN with Easy-Entry, colour code 1



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Easy-Entry insulation for splice-free cable insertion
- ▶ Halogen-free

### Characteristics

- To DIN 46228, part 4, (0,5 - 50 mm<sup>2</sup>)
- Heat resistant to 105° C

### Material

- Cu-DHP
- Synthetic material: polypropylene

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 148



































### Additional information

- \* = not standardised
- \*\* = quantities in one bag

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
0.14	166GR	■	*	0.7	2.5	10.0	6	0.15	0.035	1000
	166GRL	■	*	0.7	2.5	12.0	8	0.15	0.040	1000
0.25	167H	■	*	0.8	2.5	10.0	6	0.15	0.045	1000
	167HL	■	*	0.8	2.5	12.0	8	0.15	0.050	1000
0.34	168T	■	*	0.8	2.5	10.0	6	0.15	0.045	1000
	168TL	■	*	0.8	2.5	12.0	8	0.15	0.050	1000
0.5	1690K	■		1.0	3.1	12.0	6	0.15	0.070	1000
	1690	■		1.0	3.1	14.0	8	0.15	0.070	1000
	GR1690	■	**	1.0	3.1	14.0	8	0.15	0.070	500
	1690H	■		1.0	3.1	16.0	10	0.15	0.085	1000

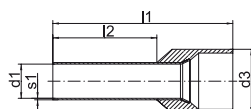
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### Insulated cable end-sleeves to DIN with Easy-Entry, colour code 1

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
0.75	170WK			1.2	3.3	12.0	6	0.15	0.080	1000
	170W			1.2	3.3	14.0	8	0.15	0.080	1000
	GR170W		**	1.2	3.3	14.0	8	0.15	0.080	500
	170WH			1.2	3.3	16.0	10	0.15	0.100	1000
	170WL			1.2	3.3	18.0	12	0.15	0.105	1000
1	171GK			1.4	3.5	12.0	6	0.15	0.090	1000
	171G			1.4	3.5	14.0	8	0.15	0.100	1000
	GR171G		**	1.4	3.5	14.0	8	0.15	0.100	500
	171GH			1.4	3.5	16.0	10	0.15	0.120	1000
	171GL			1.4	3.5	18.0	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	14.0	8	0.15	0.110	1000
	GR172RO		**	1.7	4.0	14.0	8	0.15	0.110	500
	172RH			1.7	4.0	16.0	10	0.15	0.130	1000
	172RM			1.7	4.0	18.0	12	0.15	0.140	1000
2.5	172RL			1.7	4.0	24.0	18	0.15	0.190	1000
	173B			2.2	4.7	14.0	8	0.15	0.150	1000
	GR173B		**	2.2	4.7	14.0	8	0.15	0.150	500
	173BH			2.2	4.7	18.0	12	0.15	0.200	1000
	173BL			2.2	4.7	24.0	18	0.15	0.250	1000
4	174GR			2.8	5.4	17.0	10	0.20	0.210	100
	174GRH			2.8	5.4	20.0	12	0.20	0.250	100
	174GRL			2.8	5.4	26.0	18	0.20	0.320	100
6	175S			3.5	6.9	20.0	12	0.20	0.350	100
	175SL			3.5	6.9	26.0	18	0.20	0.460	100
10	176E			4.5	8.4	22.0	12	0.20	0.450	100
	176EL			4.5	8.4	28.0	18	0.20	0.650	100
16	177GR			5.8	9.6	24.0	12	0.20	0.650	100
	177GRL			5.8	9.6	28.0	18	0.20	0.800	100
25	178BR			7.3	12.0	30.0	16	0.20	1.600	50
	178BRL			7.3	12.0	36.0	22	0.20	2.000	50
35	179B			8.3	13.5	30.0	16	0.20	1.900	50
	179BL			8.3	13.5	39.0	25	0.20	2.500	50
50	1800			10.3	16.0	36.0	20	0.30	3.300	50
	1800L			10.3	16.0	40.0	25	0.30	4.000	50



## Insulated cable end-sleeves to DIN with Easy-Entry, colour code 2



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Easy-Entry insulation for splice-free cable insertion
- ▶ Halogen-free

### Characteristics

- To DIN 46228, part 4, (0.5 - 25 mm<sup>2</sup>)
- Heat resistant to 105° C

### Material

- Cu-DHP
- Synthetic material: polypropylene

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 148








### Additional information

- \* = not standardised
- \*\* = quantities in one bag

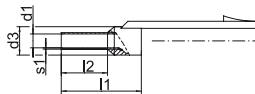
Nominal cross section mm <sup>2</sup>	Part No.	Colour	Hint	Dimension mm					Weight/1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
0.14	1666	■	*	0.7	2.5	10.0	6	0.15	0.035	1000
	1668	■	*	0.7	2.5	12.0	8	0.15	0.040	1000
0.25	1676	■	*	0.8	2.5	10.0	6	0.15	0.045	1000
	1678	■	*	0.8	2.5	12.0	8	0.15	0.050	1000
0.34	1686	■	*	0.8	2.5	10.0	6	0.15	0.045	1000
	1688	■	*	0.8	2.5	12.0	8	0.15	0.050	1000
0.5	1696	□		1.0	3.1	12.0	6	0.15	0.070	1000
	1698	□		1.0	3.1	14.0	8	0.15	0.080	1000
	GR1698	□	**	1.0	3.1	14.0	8	0.15	0.080	500
0.75	1706	■		1.2	3.3	12.0	6	0.15	0.080	1000
	1708	■		1.2	3.3	14.0	8	0.15	0.095	1000
	GR1708	■	**	1.2	3.3	14.0	8	0.15	0.095	500
1	1716	■		1.4	3.5	12.0	6	0.15	0.085	1000
	1718	■		1.4	3.5	14.0	8	0.15	0.100	1000
	GR1718	■	**	1.4	3.5	14.0	8	0.15	0.100	500
	1726	■		1.7	4.0	12.0	6	0.15	0.100	1000
1.5	1728	■		1.7	4.0	14.0	8	0.15	0.120	1000
	GR1728	■	**	1.7	4.0	14.0	8	0.15	0.120	500
	17210	■		1.7	4.0	16.0	10	0.15	0.130	1000
	17212	■		1.7	4.0	18.0	12	0.15	0.140	1000
	17218	■		1.7	4.0	24.0	18	0.15	0.220	1000
2.5	1738	■		2.2	4.7	14.0	8	0.15	0.140	1000
	GR1738	■	**	2.2	4.7	14.0	8	0.15	0.140	500
	17312	■		2.2	4.7	18.0	12	0.15	0.200	1000
	17318	■		2.2	4.7	24.0	18	0.15	0.280	1000
4	17410	■		2.8	5.4	17.0	10	0.20	0.260	100
	17412	■		2.8	5.4	20.0	12	0.20	0.300	100
	17418	■		2.8	5.4	26.0	18	0.20	0.390	100
6	17512	■		3.5	6.9	20.0	12	0.20	0.410	100
	17518	■		3.5	6.9	26.0	18	0.20	0.530	100

See next page

## Insulated cable end-sleeves to DIN with Easy-Entry, colour code 2

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Hint	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
				d1	d3	l1	l2	s1		
10	17612			4.5	8.4	22.0	12	0.20	0.550	100
	17618			4.5	8.4	28.0	18	0.20	0.710	100
16	17712			5.8	9.6	24.0	12	0.20	0.660	100
	17718			5.8	9.6	28.0	18	0.20	0.850	100
25	17816			7.3	12.0	30.0	16	0.20	1.500	50
	17818			7.3	12.0	30.0	18	0.20	1.550	50
	17822			7.3	12.0	36.0	22	0.20	2.000	50

## Insulated cable end-sleeves with lug



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ With identification system for max. 6 identification rings
- ▶ Halogen-free

### Characteristics

- Dimensions to DIN 46228, part 4
- Heat resistant to 105° C

### Material






- Copper (EN13600)
- Synthetic material: polypropylene

### Surface

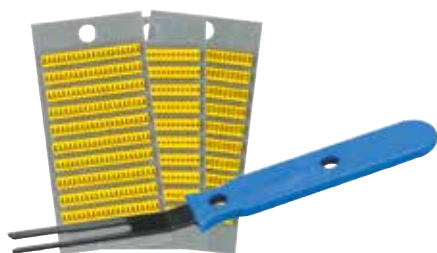
- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 148

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/ 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

## Designation ring and insert fork



► For identifying the insulated cable end-sleeves with lugs

### Characteristics

- Differing numbers / letters in the designation rings
- Packaging unit in booklet format, 200 of each symbol
- Insert fork A300 for inserting in the designation ring on the insulated cable end-sleeves with tabs

### Additional information

- \* = without letters "I", "O" and "Y"

Part No.	Colour	Hint	Packing unit/pcs
<b>Designation rings</b>			
380/-	■		1 booklet
380/+	■		1 booklet
380/0 to 9	■		1 booklet
380/A to Z	■	*	1 booklet
<b>Insert fork</b>			
A300			1

## Insulated cable end-sleeves for short circuit resistant conductors



- For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- For short circuit resistant conductors (e.g. NSGAFÖU)
- Halogen-free



### Characteristics

- Heat resistant to 105° C
- Easy-Entry insulation for simple cable insertion
- Colour-coded cross-section assignment



### Material

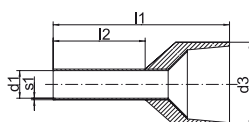
- Copper (EN13600)
- Synthetic material: polypropylene

### Surface

- Tin-plated to protect against corrosion

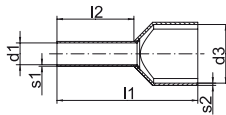
### Technical instructions

- Tool: see page 148



Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm					Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			d1	d3	l1	l2	s1		
1.5	4328	■	1.7	8.1	17.5	8	0.15	0.22	100
	43210	■	1.7	8.1	19.5	10	0.15	0.27	100
2.5	4338	■	2.2	8.6	17.5	8	0.15	0.24	100
	43312	■	2.2	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	■	3.5	11.0	23.0	12	0.20	0.49	100
10	43612	■	4.5	12.5	24.0	12	0.20	0.65	100
16	43712	■	5.8	14.5	25.5	12	0.20	0.93	100

## Insulated twin cable end-sleeves



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ For looping of clamps
- ▶ Colour-coding following DIN 46228 part 4 (0.5 - 16 mm<sup>2</sup>)
- ▶ Halogen-free

### Characteristics

- Heat resistant to 105° C

### Material

- Copper (EN13600)
- Synthetic material: polypropylene

### Surface

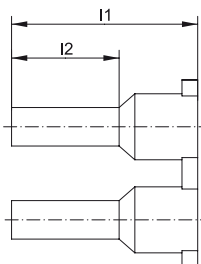
- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 150

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm						Weight/ 1000 pcs. ~ kg	Packing unit/ pcs
			d1	d3	l1	l2	s1	s2		
2 x 0.25	<b>8678</b>		1.20	2.3/3.9	15.0	8	0.15	0.25	0.110	1000
2 x 0.34	<b>8688</b>		1.20	2.3/3.9	15.0	8	0.15	0.25	0.110	1000
2 x 0.5	<b>8698</b>		1.40	3.0/5.2	15.0	8	0.15	0.25	0.110	1000
2 x 0.75	<b>8708</b>		1.70	3.3/5.5	15.0	8	0.15	0.25	0.130	1000
	<b>87010</b>		1.70	3.3/5.5	17.0	10	0.15	0.25	0.150	1000
2 x 1	<b>8718</b>		2.00	4.0/6.0	15.0	8	0.15	0.30	0.170	1000
	<b>87110</b>		2.00	4.0/6.0	17.0	10	0.15	0.30	0.170	1000
2 x 1.5	<b>8728</b>		2.20	4.2/7.2	16.0	8	0.15	0.30	0.183	1000
	<b>87212</b>		2.20	4.2/7.2	20.0	12	0.15	0.30	0.237	1000
2 x 2.5	<b>87310</b>		2.80	4.8/8.4	18.5	10	0.20	0.30	0.312	100
	<b>87313</b>		2.80	4.8/8.4	21.5	13	0.20	0.30	0.340	100
2 x 4	<b>87412</b>		3.70	5.7/9.6	23.0	12	0.20	0.40	0.467	100
2 x 6	<b>87514</b>		4.80	7.7/10.8	26.0	14	0.20	0.40	0.730	100
2 x 10	<b>87614</b>		6.40	8.0/13.8	26.0	14	0.20	0.40	0.884	100
2 x 16	<b>87714</b>		8.20	10.4/19.2	30.0	14	0.20	0.40	1.273	100

## Insulated cable end-sleeves, strip form



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Crimped cable end-sleeves for simple mounting to cable clamps
- ▶ Halogen-free

### Characteristics

- Colour-coding and tube dimension to DIN 46228, part 4
- Heat resistant to 105° C
- 50 pcs. cable end-sleeves per strip

### Material

- Copper (EN13600)
- Synthetic material: polypropylene

### Surface

- Tin-plated to protect against corrosion

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm		Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			l1	l2		
0.5	ST9698		14	8	0.100	500
0.75	ST9708		14	8	0.100	500
1	ST9718		14	8	0.100	500
1.5	ST9728		14	8	0.100	500
2.5	ST9738		14	8	0.100	500

## Insulated cable end-sleeves, small coil



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Easy-Entry insulation for optimal cable insertion
- ▶ Automatic processing due to coil shape
- ▶ Halogen-free

### Characteristics

- Colour-coding and tube dimension to DIN 46228, part 4
- Heat resistant to 105° C

### Material

- Copper (EN13600)
- Synthetic material: polypropylene

### Surface

- Tin-plated to protect against corrosion

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm		Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			l1	l2		
0.5	BAK9698		14	8	0.136	1100
0.75	BAK9708		14	8	0.154	1100
1	BAK9718		14	8	0.187	800
1.5	BAK9728		14	8	0.200	800
2.5	BAK9738		14	8	0.300	500

## Insulated cable end-sleeves, large coil



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Easy-Entry insulation for splice-free cable insertion
- ▶ Automatic processing due to coil shape
- ▶ Halogen-free

### Characteristics

- Colour-coding and tube dimension to DIN 46228, part 4
- Heat resistant to 105° C

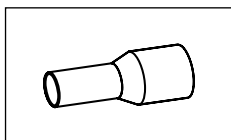
### Material

- Copper (EN13600)
- Synthetic material: polypropylene

### Surface

- Tin-plated to protect against corrosion

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm		Weight/ 1000 pcs. ~ kg	Packing unit/pcs
			l1	l2		
0.5	<b>BAG9698</b>	□	14	8	0.120	10000
0.75	<b>BAG9708</b>	■	14	8	0.130	10000
1	<b>BAG9718</b>	■	14	8	0.160	7500
1.5	<b>BAG9728</b>	■	14	8	0.173	7500
2.5	<b>BAG9738</b>	■	14	8	0.230	5000

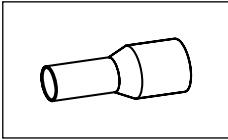


## Tool application chart

### Cable end-sleeves to DIN 46228, part 1 and DIN 46228, part 4 Insulated cable end-sleeves for short circuit resistant conductors

Part 1 of 2



































Tool type	Crimping range corresponds to nominal cross-section mm <sup>2</sup>	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	0.08 - 10	K303		214		◇
	0.08 - 16	K304K		214		◇
		K306K		215		◇
	0.14 - 2.5	K1		210		□
		K48		210		□
	0.14 - 10	K32		211		□
	0.14 - 6	K37		212		□
	0.14 - 10	K3014K		215		◇
	0.5 - 2.5	K4		208		∩
	0.5 - 6	K36		211		□
		K382		213		◇
	0.5 - 16	K3		209		∩
	1.5 - 6	K46		208		∩
	6 - 16	K34		212		□
	10 - 25	K39		213		□
	10 - 35	K35		209		∩
	10 - 50	K271		216		∩
		K28		217		□
	50 - 95	K272		217		∩
		K29		218		□
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	0.14 - 10	K507		234		□
	0.14 - 50	K50		235	312	□
		EK50ML		244	312	□
	10 - 50	K354		236	317	∩
	10 - 120	K18		238	326	∩
10 - 240	K22		240	332	∩	



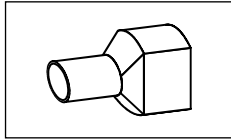
## Tool application chart

**Cable end-sleeves to DIN 46228, part 1 and DIN 46228, part 4  
Insulated cable end-sleeves for short circuit resistant conductors**

Part 2 of 2

Tool type	Crimping range corresponds to nominal cross-section mm <sup>2</sup>	Crimping Tool		Catalogue page		Crimp profile	
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die		
Hand hydraulic crimping tools	10 - 95	HK6018		280	326		
		HK60UNV	+UA18	465	326		
	10 - 240	HK6022		282	332		
		HK60UNV	+UA22	465	332		
	25 - 240	HK12030		286	337		
		HK12042		288	337		
		HK120U		290	337		
	Battery powered crimping tools	0,14 - 50	EK1550ML		248	312	
		10 - 50	EK354ML		250	317	
EK354				256	317		
0,14 - 50		EK505		258	322		
10 - 95		EK5018		260	326		
		EK60UNV	+UA18	468	326		
		EKM60UNV	+UA18	467	326		
10 - 240		EK6022		264	332		
		EKM6022		262	332		
		EK60UNV	+UA22	468	332		
		EKM60UNV	+UA22	467	332		
		25 - 240	EK12032		270	337	
EK12042				272	337		
EK120U				274	337		
EK135FT			+UA15T	276	337		
EK120UNV			+UA12T	469	337		
Hydraulic crimping systems	10 - 120	THK18		294	326		
	10 - 240	THK22		296	332		
	25 - 240	HK252	+25A13	308	337	 	
Hydraulic crimping heads	10 - 120	PK18		294	326		
		PK60UNV	+UA18	466	326		
	10 - 240	PK22		296	332		
		PK60UNV	+UA22	466	332		
	25 - 240	PK12042		300	337		
		PK120U		302	337		
		PK252	+25A13	304	337		





### Tool application chart

#### Insulated twin cable end-sleeves

Tool type	Crimping range corresponds to nominal cross-section mm <sup>2</sup>	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
Mechanical crimping tools	2 x 0,25 - 2 x 4	K3016K		216		
	2 x 0,5 - 2 x 2,5	K32		211		
	2 x 0,25 - 2 x 2,5	K382		213		
	2 x 0,25 - 2 x 4	K303		214		
		K36		211		
	2 x 0,5 - 2 x 10	K306K		215		
	2 x 0,5 - 2 x 6	K304K		214		
	2 x 0,25 - 2 x 4	K3014K		215		
	2 x 4 - 2 x 6	K34		212		
	2 x 4 - 2 x 16	K271		216		
K28			217			
Mechanical, electrical, pneumatic crimping tools with interchangeable die / head	2 x 4 - 2 x 16	K354		236	318	
		K18		238	326	
		K22		240	332	
Hand hydraulic crimping tools	2 x 4 - 2 x 16	HK6018		280	326	
		HK60UNV	+UA18	465	326	
		HK6022		282	332	
		HK60UNV	+UA22	465	332	
Battery powered crimping tools	2 x 4 - 2 x 16	EK354ML		250	318	
		EK354		256	318	
		EK505		258	322	
		EK5018		260	326	
		EK60UNV	+UA18	468	326	
		EKM60UNV	+UA18	467	326	
		EK6022		264	332	
		EKM6022		262	332	
		EK60UNV	+UA22	468	332	
		EKM60UNV	+UA22	467	332	
Hydraulic crimping systems	2 x 4 - 2 x 16	THK18		294	326	
		THK22		296	332	
Hydraulic crimping heads	2 x 4 - 2 x 16	PK18		294	326	
		PK60UNV	+UA18	466	326	
		PK22		296	332	
		PK60UNV	+UA22	466	332	

