

GENERAL CATALOG CONNECTORS

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intercable



INTERCABLE - HISTORY

Intercable is one of the world's leading manufacturers of professional electrical products for Utilities, Power Boards, Contractors, Electricians and Industry. Our main ambition is to improve efficiency, safety and quality of our customers' daily work. As a family owned company, established in 1972, we currently count more than 1.000 employees in our manufacturing plants around the world.

Our product range is attuned to LV ,MV and HV cable preparation and consists of five main product lines:

- insulated safety tools up to 1000V
- hydraulical and mechanical crimping and cutting tools
- stripping tools
- special electro-technical devices
- cable accessories

Furthermore we are also leading in the development and production of special plastic and metal parts for the automotive market and so an important partner of the biggest car and truck manufacturers worldwide.

Quality is never an accident but the result of advantageous application of a certified quality system: Our Company comply with the latest DIN EN ISO 9001:2015 , ISO/ TS 16949:2009 and ISO 14001 International Standards. Constant internal and external audits help us to identify weaknesses and promote a continuous improvement in all the company processes.

Our tools are produced according to latest international IEC, DIN standards and are certified by independent, accredited German and Italian test institutes such as VDE, BG or CESI.

Our aim is a long lasting customer relation based on confidence. We daily try to recognize the demands and expectations of our customers to be able to fulfil them quickly and effectively but in any case to our customer's satisfaction. Further we satisfy the changing market needs by a constant improvement and development of our product range.

We are proud to be known as an expert and flexible partner on the international market.

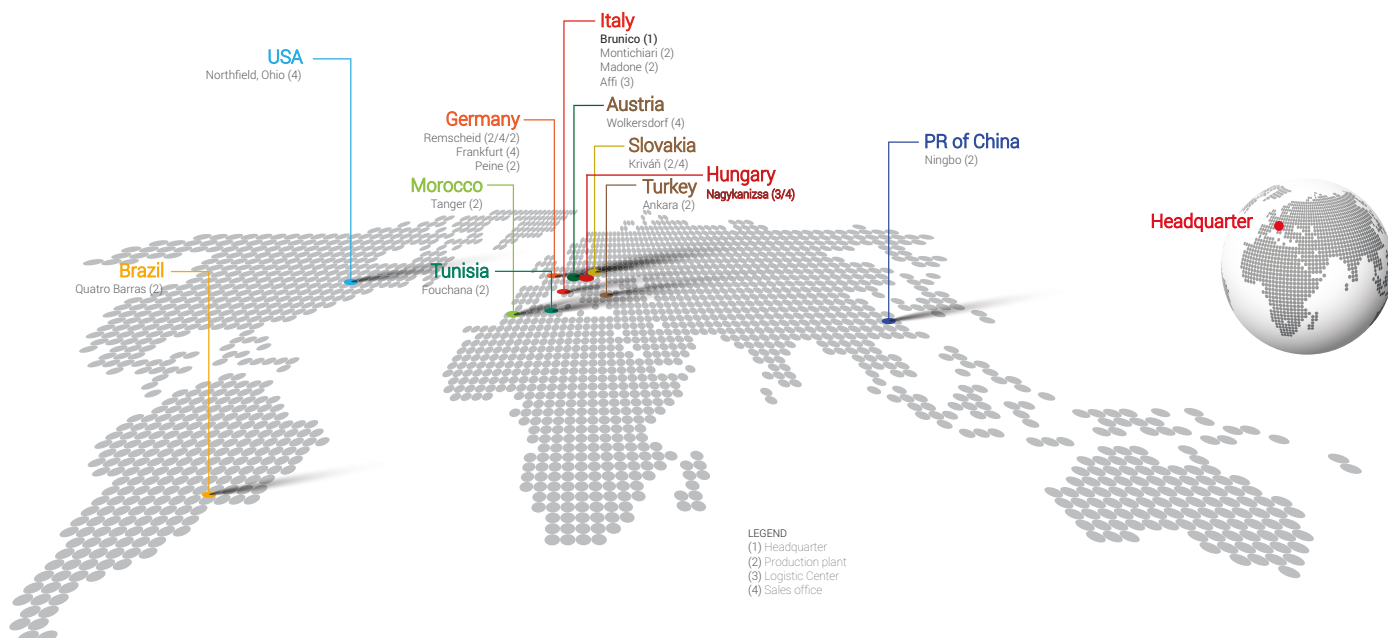
THE GROUP

We are stronger as a group!

Through our headquarter in Brunico/Bruneck and locations in Italy, Germany, Morocco, Tunisia, Hungary, Slovakia and China, we supply customers in the automotive, power distribution, industrial and railway sectors.

As a modern, industrial group we strive for the optimum usage of synergies within the group.

intercable
GROUP



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THE DIMENSIONS OF THE TUBE / PIPE OF THE CONNECTORS

  Intercable company standard dimensions, **I-series** known as used commonly by ITALIAN colleagues, very cost-efficient and high quality solution fits perfectly for most connection processes.

  Intercable company standard dimensions, known as used commonly by GERMAN colleagues, the same dimensions are used by our Weitkowitz EURO-series, mostly industrial high quality solution fits perfectly for most connection processes.

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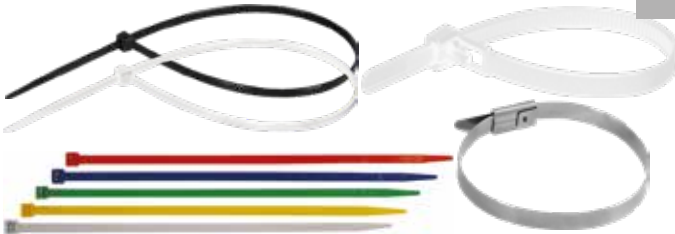
			
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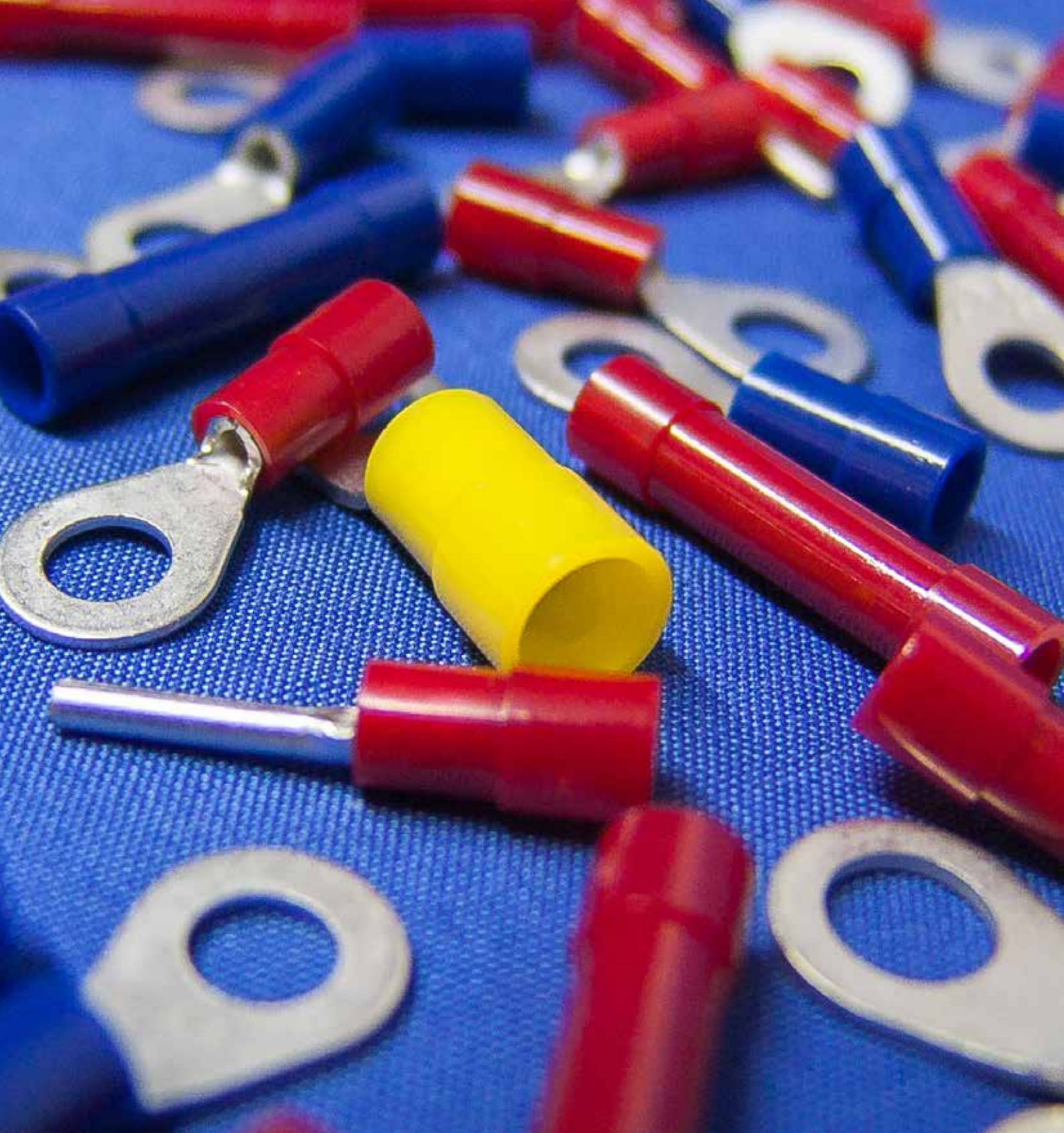
DIN

The dimensions are according to the DIN standards, or followed by the DIN guideline dimensions.



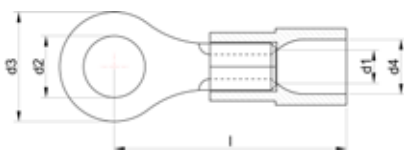
THE CRIMPING DIES AND THE CONNECTOR MUST WORK TOGETHER
The dimensions of the crimping dies must fit to the dimensions of the connectors!
SELECT THE RIGHT COMBINATION FROM THE SAME STANDARD!

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INSULATED TERMINALS

PC



Cu-ETP 99,9%, Sn / Copper tinned
PC / Polycarbonate insulation
600V max.
T 125°C max.

DIN 46237



mm ²	Ø mm	Art. N.		mm					Pack
				d1	d4	d2	d3	l	
0,5-1,5	3	RO-M3A	●	1,6	4,0	3,2	6,0	17,0	100
	3,5	RO-M3,5A	●	1,6	4,0	3,7	6,0	17,0	100
	4	RO-M4A	●	1,6	4,0	4,3	8,0	18,0	100
	4	ICIQ14S	●	1,6	4,0	4,3	7,0	17,5	100
	5	RO-M5A	●	1,6	4,0	5,3	10,0	19,0	100
	5	ICIQ15S	●	1,6	4,0	5,3	8,0	18,5	100
	6	RO-M6A	●	1,6	4,0	6,5	10,0	19,0	100
	8	RO-M8A	●	1,6	4,0	8,4	14,0	23,0	100
	10	RO-M10A	●	1,6	4,0	10,5	18,0	25,0	100
1,5-2,5	3	BO-M3A	●	2,3	4,4	3,2	6,0	17,0	100
	3,5	BO-M3,5A	●	2,3	4,4	3,7	6,0	17,0	100
	4	BO-M4A	●	2,3	4,4	4,3	8,0	18,0	100
	4	ICIQ24S	●	2,3	4,4	4,3	6,8	17,6	100
	5	BO-M5A	●	2,3	4,4	5,3	10,0	20,0	100
	5	ICIQ25S	●	2,3	4,4	5,3	8,0	19,5	100
	6	BO-M6A	●	2,3	4,4	6,5	11,0	22,0	100
	8	BO-M8A	●	2,3	4,4	8,4	14,0	23,0	100
	10	BO-M10A	●	2,3	4,4	10,5	18,0	25,6	100
4-6	4	GO-M4A	●	3,6	6,4	4,3	8,0	21,0	100
	5	GO-M5A	●	3,6	6,4	5,3	10,0	22,0	100
	6	GO-M6A	●	3,6	6,4	6,5	11,0	23,0	100
	8	GO-M8A	●	3,6	6,4	8,4	14,0	26,0	100
	10	GO-M10A	●	3,6	6,4	10,5	18,0	28,0	100

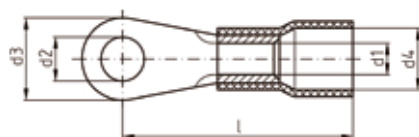
PA 6.6 - Antivibrant

Cu-ETP 99,9%, Sn / Copper tinned
PA6.6 / Poliamide insulation
600V max.
T 105°C max.



mm ²	Ø mm	Art. N.		mm					Pack
				d1	d4	d2	d3	l	
0,5-1,5	3	ROR-M3A	●	1,7	4,5	3,2	5,5	18,5	100
	3,5	ROR-M3,5A	●	1,7	4,5	3,7	5,5	18,5	100
	4	ROR-M4A	●	1,7	4,5	4,3	6,6	20,4	100
	5	ROR-M5A	●	1,7	4,5	5,3	8,0	21,8	100
	6	ROR-M6A	●	1,7	4,5	6,4	11,6	27,8	100
	8	ROR-M8A	●	1,7	4,5	8,4	11,6	27,8	100
	10	ROR-M10A	●	1,7	4,5	10,5	13,6	31,5	100
1,5-2,5	3	BOR-M3A	●	2,3	5,2	3,2	6,6	18,8	100
	3,5	BOR-M3,5A	●	2,3	5,2	3,7	6,6	18,8	100
	4	BOR-M4A	●	2,3	5,2	4,3	8,5	22,8	100
	5	BOR-M5A	●	2,3	5,2	5,3	9,5	22,8	100
	6	BOR-M6A	●	2,3	5,2	6,4	12,0	27,8	100
	8	BOR-M8A	●	2,3	5,2	8,4	12,0	27,8	100
	10	BOR-M10A	●	2,3	5,2	10,5	13,6	31,5	100
4-6	4	GOR-M4A	●	3,4	7,0	4,3	7,2	22,7	100
	5	GOR-M5A	●	3,4	7,0	5,3	9,5	26,6	100
	6	GOR-M6A	●	3,4	7,0	6,4	12,0	29,5	100
	8	GOR-M8A	●	3,4	7,0	8,4	15,0	34,0	100
	10	GOR-M10A	●	3,4	7,0	10,5	15,0	34,0	100

PC



Cu-ETP 99,9%, Sn / Copper tinned
PC / Polycarbonate insulation
T 120°C max.

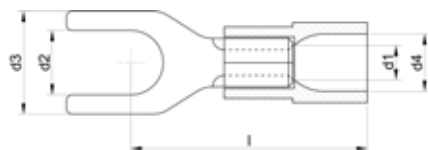
DIN 46234
pipe 10 - 150 mm²



mm ²	Ø mm	Art. N.		mm					kg (/100)	Pack
				d1	d4	d2	d3	l		
10	5	ICIQ105	●	4,5	8	5,3	10	24,5	0,23	50
	6	ICIQ106	●			6,5	11	25,5	0,24	50
	8	ICIQ108	●			8,4	14	28,5	0,30	50
	10	ICIQ1010	●			10,5	18	29,5	0,35	50
16	5	ICIQ165	●	5,8	10,5	5,3	11	31,5	0,40	50
	6	ICIQ166	●			6,5	11	31,5	0,38	50
	8	ICIQ168	●			8,4	14	33,5	0,43	50
	10	ICIQ1610	●			10,5	18	35,5	0,50	50
25	5	ICIQ255	●	7,5	13	5,3	12	38	0,71	50
	6	ICIQ256	●			6,5	12	38	0,69	50
	8	ICIQ258	●			8,4	16	38	0,76	50
	10	ICIQ2510	●			10,5	18	39	0,79	50
35	12	ICIQ2512	●			13	22	44	0,97	50
	6	ICIQ356	●	9	14,5	6,5	15	41	0,97	50
	8	ICIQ358	●			8,4	16	41	0,97	50
	10	ICIQ3510	●			10,5	18	42	1,01	50
50	12	ICIQ3512	●			13	22	46	1,17	50
	6	ICIQ506	●	11	16,5	6,5	18	47,5	1,76	50
	8	ICIQ508	●			8,4	18	47,5	1,71	50
	10	ICIQ5010	●			10,5	18	47,5	1,74	50
70	12	ICIQ5012	●			13	22	49,5	1,80	50
	6	ICIQ706	●	13	18,7	6,5	22	51	2,58	50
	8	ICIQ708	●			8,4	22	51	2,63	50
	10	ICIQ7010	●			10,5	22	51	2,55	50
95	12	ICIQ7012	●			13	22	51	2,58	50
	16	ICIQ7016	●			17	28	55	2,68	50
	8	ICIQ958	●	15	21,7	8,4	24	57,5	4,09	50
	10	ICIQ9510	●			10,5	24	57,5	4,22	50
120	12	ICIQ9512	●			13	24	57,5	3,92	50
	16	ICIQ9516	●			17	28	59,5	3,94	50
	8	ICIQ1208	●	16,5	24,2	8,4	24	62	5,63	25
	10	ICIQ12010	●			10,5	24	62	5,56	25
150	12	ICIQ12012	●			13	24	62	5,33	25
	16	ICIQ12016	●			17	28	66	5,67	25
	10	ICIQ15010	●	19	27,2	10,5	30	70	8,02	25
	12	ICIQ15012	●			13	30	70	7,84	25
	16	ICIQ15016	●			17	30	70	7,56	25



PC



Cu-ETP 99,9%, Sn / Copper tinned
PC / Polycarbonate insulation
600V max.
T 125°C max.

DIN 46237
(exc.: *)



mm ²	Ø mm	Art. N.		mm					Pack
				d1	d4	d2	d3	l	
0,5-1,5	3	RF-M3A	●	1,6	4,0	3,2	6,0	17,0	100
	3,5	RF-M3,5A	●	1,6	4,0	3,7	6,0	17,0	100
	4	RF-M4A	●	1,6	4,0	4,3	8,0	18,1	100
	4	ICIQ14GS	●	1,6	4,0	4,3	6,8	18,0	100
	5	RF-M5A	●	1,6	4,0	5,3	10,0	19,0	100
	6	RF-M6A*	●	1,6	4,0	6,5	11,0	21,0	100
1,5-2,5	3	BF-M3A	●	2,3	4,5	3,2	5,5	19,0	100
	3,5	BF-M3,5A	●	2,3	4,5	3,7	6,0	17,0	100
	4	BF-M4A	●	2,3	4,5	4,3	8,0	18,0	100
	4	ICIQ24GS	●	2,3	4,5	4,3	6,8	18,7	100
	5	BF-M5A	●	2,3	4,5	5,3	10,0	20,0	100
	6	BF-M6A	●	2,3	4,5	6,5	11,0	22,0	100
4-6	4	GF-M4A	●	3,6	6,4	4,3	8,0	21,0	100
	5	GF-M5A	●	3,6	6,4	5,3	10,0	22,0	100
	6	GF-M6A	●	3,6	6,4	6,5	11,0	23,0	100
	8	GF-M8A	●	3,6	6,4	8,4	14,0	26,0	100

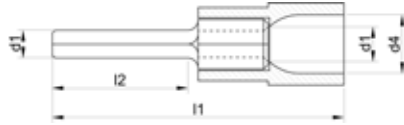
PA6.6 - Antivibrant

Cu-ETP 99,9%, Sn / Copper tinned
PA6.6 / Poliamide insulation
600V max.
T 105°C max.



mm ²	Ø mm	Art.N.		mm					Pack
				d1	d4	d2	d3	l	
0,5-1,5	3	RFR-M3A	●	1,7	4,5	3,2	5,7	22,0	100
	3,5	RFR-M3,5A	●	1,7	4,5	3,7	5,7	22,0	100
	4	RFR-M4A	●	1,7	4,5	4,3	6,4	22,0	100
	5	RFR-M5A	●	1,7	4,5	5,3	8,1	22,0	100
	6	RFR-M6A	●	1,7	4,5	6,4	9,5	22,0	100
1,5-2,5	3,5	BFR-M3,5A	●	1,7	4,5	3,7	5,7	22,0	100
	4	BFR-M4A	●	1,7	4,5	4,3	6,4	22,0	100
	5	BFR-M5A	●	1,7	4,5	5,3	7,9	22,0	100
	6	BFR-M6A	●	1,7	4,5	6,4	9,3	22,0	100
4-6	3,5	GFR-M3,5A	●	3,4	7,0	3,7	7,2	24,4	100
	4	GFR-M4A	●	3,4	7,0	4,3	8,3	24,4	100
	5	GFR-M5A	●	3,4	7,0	5,3	7,2	24,4	100
	6	GFR-M6A	●	3,4	7,0	6,4	12,0	25,5	100
	8	GFR-M8A	●	3,4	7,0	8,4	14,0	30,5	100

PC



Cu-ETP 99,9%, Sn / Copper tinned
PC / Polycarbonate insulation
600V max.
T 125°C max.

DIN 46231



mm ²	Art. N.		mm					Pack
			d1	d4	d2	d3	l	
0,5-1,5	RP-12A	●	1,7	4,0	1,9	22,8	12,0	100
1,5-2,5	BP-12A	●	2,3	4,5	1,9	22,8	12,0	100
	BP-16A	●	2,3	4,5	1,9	27,0	16,0	100
4-6	GP-14A	●	3,6	6,4	2,8	27,0	14,0	100

PA6.6 - Antivibrant

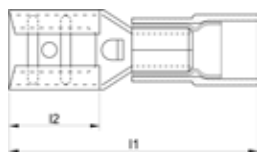
Cu-ETP 99,9%, Sn / Copper tinned
PA6.6 / Poliamide insulation
600V max.
T 105°C max.



mm ²	Art. N.		mm					Pack
			d1	d4	d2	d3	l	
0,5-1,5	RPR-12A	●	1,7	4,5	1,9	22,8	12,0	100
1,5-2,5	BPR-12A	●	2,3	5,2	1,9	22,8	12,0	100
	BPR-16A	●	2,3	5,2	1,9	27,0	16,0	100
4-6	GPR-14A	●	3,4	7,0	2,8	27,0	14,0	100

typically used tools: „GENERAL CATALOG TOOLS“  6 - 16 mm² page: 136

PC

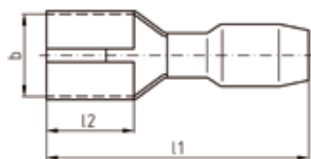


Cu-ETP 99,9%, Sn / Copper tinned
PC / Polycarbonate insulation
300V max.
T 125°C max.



mm ²	Art.N.		mm			Pack
			mm	l1	l2	
0,5-1,5	RIF-305	●	2,8x0,5	19,0	6,5	100
	RIF-308	●	2,8x0,8	19,0	6,5	100
	RIF-405	●	4,8x0,5	19,4	6,4	100
	RIF-408	●	4,8x0,8	19,4	6,4	100
	RIF-608	●	6,3x0,8	20,8	7,5	100
1,5-2,5	BIF-405	●	4,8x0,5	19,4	6,4	100
	BIF-408	●	4,8x0,8	19,4	6,4	100
	BIF-608	●	6,3x0,8	20,8	7,3	100
4-6	GIF-608	●	6,3x0,8	23,3	7,3	100

PVC

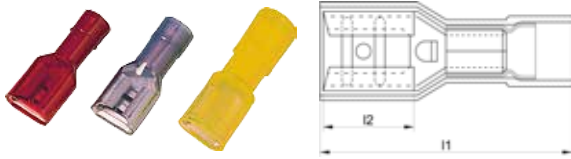


Cu-ETP 99,9%, Sn / Copper tinned
PVC
T 70°C max.

mm ²	Art.N.		mm				kg (/100)	Pack
			mm1	mm2	l1	l2		
0,1-0,5	ICIQ0525FH	●	2,8	0,5	16	6,4	0,04	100
	ICIQ0528FH	●	2,8	0,8	16	6,4	0,04	100
0,5-1	ICIQ125FH	●	2,8	0,5	19	6,5	0,08	100
	ICIQ128FH	●	2,8	0,8	19	6,5	0,08	100
	ICIQ145FH	●	4,8	0,5	19,4	6,4	0,09	100
	ICIQ148FH	●	4,8	0,8	19,4	6,4	0,09	100
1,5-2,5	ICIQ168FH	●	6,3	0,8	20,8	7,5	0,11	100
	ICIQ225FH	●	2,8	0,5	19	6,5	0,08	100
	ICIQ228FH	●	2,8	0,8	19	6,5	0,08	100
	ICIQ245FH	●	4,8	0,5	19,4	6,4	0,10	100
	ICIQ248FH	●	4,8	0,8	19,4	6,4	0,10	100
4-6	ICIQ268FH	●	6,3	0,8	20,8	7,3	0,12	100
	ICIQ668FH	●	6,3	0,8	23,3	7,3	0,18	100
	ICIQ6912FH	●	9,5	1,2	28,6	12	0,26	100

typically used tools: „GENERAL CATALOG TOOLS“  6 - 16 mm² page: 136

PC FULL

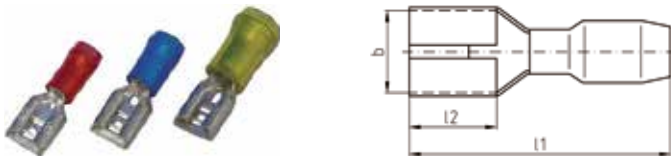


Cu-ETP 99,9% Sn / Copper tinned
PC / Polycarbonate insulation
300V max.
T 125°C max.



mm ²	Art.N.		mm			Pack
			mm	l1	l2	
0,5-1,5	RIF-305TI	●	2,8x0,5	19,2	6,4	100
	RIF-308TI	●	2,8x0,8	19,2	6,4	100
	RIF-405TI	●	4,8x0,5	20,2	6,4	100
	RIF-408TI	●	4,8x0,8	20,2	6,4	100
	RIF-608TI	●	6,3x0,8	21,5	7,3	100
1,5-2,5	BIF-405TI	●	4,8x0,5	20,2	6,5	100
	BIF-408TI	●	4,8x0,8	20,2	6,5	100
	BIF-608TI	●	6,3x0,8	21,5	7,3	100
4-6	GIF-608TI	●	6,3x0,8	24,2	7,3	100

PA

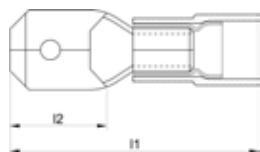


CuSn / Zinnbronze
PA
T 100°C max.

mm ²	Art.N.		mm				kg (/100)	Pack
			mm1	mm2	l1	l2		
0,5-1	ICIQ125FHB	●	2,8	0,5	18,4	6,4	0,06	100
	ICIQ128FHB	●	2,8	0,8	18,4	6,4	0,06	100
	ICIQ148FHB	●	4,8	0,8	19	6,2	0,08	100
	ICIQ168FHB	●	6,3	0,8	21	8	0,10	100
1,5-2,5	ICIQ268FHB	●	6,3	0,8	21	8	0,11	100
4-6	ICIQ668FHB	●	6,3	0,8	24,7	8	0,15	100

typically used tools: „GENERAL CATALOG TOOLS”  6 - 16 mm² page: 136

PC

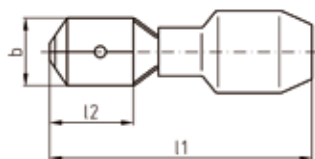


Cu-ETP 99,9% Sn / Copper tinned
PC / Polycarbonate insulation
300V max.
T 125°C max.



mm ²	Art.N.		mm			Pack
			mm	l1	l2	
0,5-1,5	RIM-308	●	2,8x0,8	19,2	6,5	100
	RIM-408	●	4,8x0,8	19,8	6,7	100
	RIM-608	●	6,3x0,8	21,8	7,7	100
1,5-2,5	BIM-408	●	4,8x0,8	19,8	6,7	100
	BIM-608	●	6,3x0,8	21,8	7,7	100
4-6	GIM-608	●	6,3x0,8	24,0	7,7	100

PVC

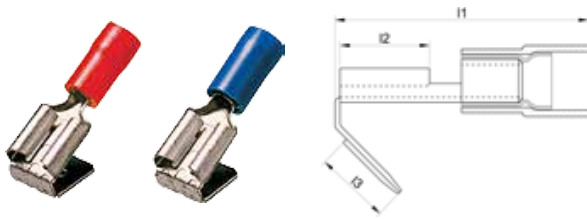


Cu-ETP 99,9% Sn / Copper tinned
PVC
T 70°C max.

mm ²	Art.N.		mm				kg (/100)	Pack
			mm1	mm2	l1	l2		
0,5-1	ICIQ128FS	●	2,8	0,8	19,2	6,5	0,08	100
	ICIQ148FS	●	4,8	0,8	19,8	6,7	0,09	100
	ICIQ168FS	●	6,3	0,8	21,8	7,7	0,10	100
1,5-2,5	ICIQ248FS	●	4,8	0,8	19,8	6,7	0,09	100
	ICIQ268FS	●	6,3	0,8	21,8	7,7	0,11	100
4-6	ICIQ668FS	●	6,3	0,8	24	7,7	0,18	100

typically used tools: „GENERAL CATALOG TOOLS”  6 - 16 mm² page: 136

PC



Cu-ETP 99,9%, Sn / Copper tinned
PC / Polycarbonate insulation
300V max.
T 125°C max.



			mm	I1	I2	I2	Pack
0,5-1,5	RIMF-608	●	6,3x0,8	23,9	8,0	8,2	100
1,5-2,5	BIMF-608	●	6,3x0,8	23,0	8,0	8,2	100

typically used tools: „GENERAL CATALOG TOOLS”



6 - 16 mm² page: 136

PVC



Cu-ETP 99,9%, Sn / Copper tinned
PVC
T 70°C max.

mm ²	Art.N.		mm					kg (/100)	Pack
			mm1	mm2	I1	I2	I3		
0,5-1	ICIQ1FHA	●	6,3	0,8	23,9	8	8,2	0,15	100
1,5-2,5	ICIQ2FHA	●	6,3	0,8	23	8	8,2	0,16	100
4-6	ICIQ6FHA	●	6,3	0,8	25	8	8,2	0,18	100

typically used tools: „GENERAL CATALOG TOOLS”



6 - 16 mm² page: 136

PA 6.6



Brass, Sn / tinned
PA6.6 / Poliamide insulation
300V max.
T 105°C max.



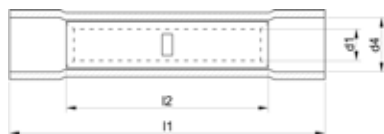
mm ²	Art.N.		mm			Pack
			mm	I1	I2	
0,5-1,5	RIBF-608	●	6,3x0,8	16,3	15,0	100
1,5-2,5	BIBF-608	●	6,3x0,8	16,8	15,0	100

typically used tools: „GENERAL CATALOG TOOLS”



page: 130

PVC



Cu-ETP 99,9%, Sn / Copper tinned
PVC
300V max.
T 75°C max.



mm ²	Art.N.		mm				Pack
			d1	d4	l2	l1	
0,5-1,5	GPVC15	●	1,8	4,2	15,0	25,0	100
1,5-2,5	GPVC25	●	2,5	4,8	15,0	26,0	100
4-6	GPVC6	●	3,7	6,5	15,0	27,0	100

PA 6.6

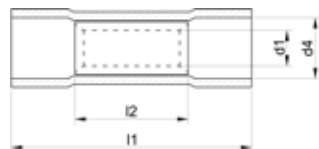


Cu-ETP 99,9%, Sn / Copper tinned
PA 6.6 / Poliamide insulation
300V max.
T 105°C max.



mm ²	Art.N.		mm				Pack
			d1	d4	l2	l1	
0,5-1,5	GPA15	●	1,8	4,2	15,0	25,0	100
1,5-2,3	GPA25	●	2,5	4,8	15,0	26,0	100
4-6	GPA6	●	3,7	6,5	15,0	27,0	100

PVC



Cu-ETP 99,9%, Sn / Copper tinned
PVC
300V max.
T 75°C max.



mm ²	Art.N.		mm				Pack
			d1	d4	l2	l1	
0,5-1,5	GPVC15S	●	1,8	4,2	8,0	18,0	100
1,5-2,5	GPVC25S	●	2,5	4,8	8,0	18,0	100
4-6	GPVC6S	●	3,7	6,5	8,5	21,5	100

typically used tools: „GENERAL CATALOG TOOLS“  6 - 16 mm² page: 136

PE (thermo)

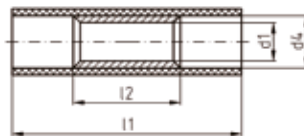


Cu-ETP 99,9%, Sn / Copper tinned
PE / Polietilene HD
300V max.
T -10 - 105°C max.



mm ²	Art.N.		mm				Pack
			d1	d4	l2	l1	
0,5-1,5	GPET15A	●	1,7	4,4	15,0	36,0	100
1,5-2,5	GPET25A	●	2,3	5,2	15,0	36,0	100
4-6	GPET6A	●	3,6	6,5	15,0	41,0	100

PA 6.6

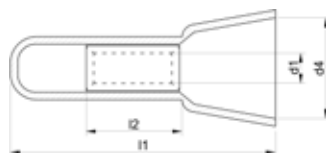


Cu-ETP 99,9%, Sn / Copper tinned
PA 6.6 / Poliamide insulation
300V max.
T 105°C max.



mm ²	Art.N.		mm				Pack
			d1	d4	l1	l2	
0,1-0,5	ICIQ05PV	●	1,2	2	12	5	100
0,5-1	ICIQ1PV	●	1,7	3,2	17	7	100
1,5-2,5	ICIQ2PV	●	2,3	4	17	7	100
4-6	ICIQ6PV	●	3,6	5,4	21,2	7	100

PA 6.6

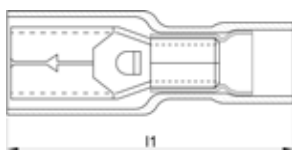


Cu-ETP 99,9%, Sn / Copper tinned
PA 6.6 / Poliamide insulation
300V max.
T 105°C max.



mm ²	Art.N.		mm				Pack
			d1	d4	l1	l2	
0,5-1,5	TCT15		2,6	6,2	6,8	18,2	100
1,5-2,5	TCT25		3,2	7,5	7,0	20,1	100
4-6	TCT6		4,0	9,4	8,5	20,7	100

PVC

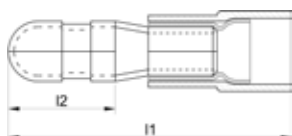


Brass, Sn / tinned
PVC
300V max.
T 75°C max.



mm ²	Art.N.		mm		Pack
			Ø	l1	
0,5-1,5	RIC-F4	●	4	23,3	100
1,5-2,5	BIC-F5	●	5	23,3	100
4-6	GIC-F5	●	5	25,1	100

PVC

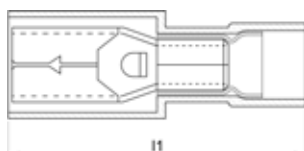


Brass, Sn / tinned
PVC
300V max.
T 75°C max.



mm ²	Art.N.		mm			Pack
			Ø	l1	l2	
0,5-1,5	RIC-M4	●	4	21,5	8,5	100
1,5-2,5	BIC-M5	●	5	21,2	8,5	100
4-6	GIC-M5	●	5	24,0	8,5	100

PA 6.6

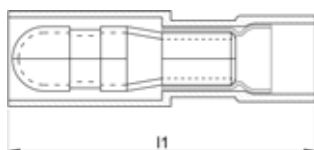


Brass, Sn / tinned
PA 6.6 / Poliamide insulation
300V max.
T 105°C max.



mm ²	Art.N.		mm		Pack
			Ø	l1	
0,5-1,5	RIC-F4TI	●	4	25,2	100
1,5-2,5	BIC-F4TI	●	4	25,2	100

PA 6.6



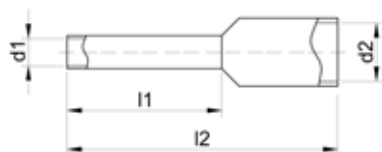
Brass, Sn / tinned
PA 6.6 / Poliamide insulation
300V max.
T 105°C max.



mm ²	Art.N.		mm		Pack
			Ø	l1	
0,5-1,5	RIC-M4TI	●	4	27,0	100
1,5-2,5	BIC-M4TI	●	4	27,0	100



END-SLEEVES



Cu-ETP 99,9%, Sn / Copper tinned
PP (Polipropilene insulation)
T 105°C max.
Halogen Free



mm ²	Color 1 Art. N.	Color 2 Art. N.	DIN 46228/4 Art. N.	d1	d2	l2	l1	Pack
0,14	● TPO1408GR			0,7	1,6	10,0	8,0	500
0,25	● TPO306AZ			0,75	1,8	10,0	6,0	500
	● TPO308AZ-C*			0,75	1,8	12,0	8,0	*100/500
0,34	● TPO348AZ-C*	● TP038GI		0,8	2,0	12,0	8,0	*100/500
0,5	● ICIAE056OR		● TPD0506	1,0	2,6	12,0	6,0	500
	● TPO508AR-C*	● TPD0508	● TPD0508	1,0	2,6	14,0	8,0	*100/500
	● TPO510AR		● TPD0510	1,0	2,6	16,0	10,0	500
0,75	● ICIAE0756WE		● TPD7506	1,2	2,8	12,0	6,0	500
	● TPO7508BI-C*	● TP0758BL	● TPD7508	1,2	2,8	14,0	8,0	*100/500
	● ICIAE07510WE	● ICIAE07150BL	● TPD7510	1,2	2,8	16,0	10,0	500
	● TPO7512BI	● ICIAE07512BL	● TPD7512	1,2	2,8	18,0	12,0	500
1	● ICIAE16GE		● TPD0106	1,4	3,0	12,0	6,0	500
	● TPO108GI-C*	● TPD0108	● TPD0108	1,4	3,0	14,0	8,0	*100/500
	● ICIAE110GE		● TPD0110	1,4	3,0	16,0	10,0	500
	● TPO112GI		● TPD0112	1,4	3,0	18,0	12,0	500
1,5	● TPO1508RO-C*	● TPD1508	● TPD1508	1,7	3,5	14,0	8,0	*100/500
	● TPO1510RO-C*	● TPD1510	● TPD1510	1,7	3,5	16,0	10,0	*100/500
	● ICIAE1512RO		● TPD1512	1,7	3,5	18,0	12,0	500
	● TPO1518RO-C*	● TPD1518	● TPD1518	1,7	3,5	24,0	18,0	*100/500
2,5	● TPO2508BL-C*	● TP2508GR	● TPO2508BL-C*	2,2	4,2	14,0	8,0	*100/500
	● TPO2512BL-C*	● TP2512GR	● TPO2512BL-C*	2,2	4,2	18,0	12,0	*100/500
	● TPO2518BL-C*	● TP2518GR	● TPO2518BL-C*	2,2	4,2	24,0	18,0	*100/500
4	● TPO410GR-C*	● TP410AR	● TPO410GR-C*	2,8	4,8	17,0	10,0	*100/500
	● TPO412GR-C*	● TP412AR	● TPO412GR-C*	2,8	4,8	20,0	12,0	*100/500
	● TPD0418	● TP418AR	● TPD0418	2,8	4,8	26,0	18,0	200
6	● TPO612NR	● TP612VE	● TPD0612	3,5	6,3	20,0	12,0	100
	● TPO618NR	● TP618VE	● TPD0618	3,5	6,3	26,0	18,0	100
10	● TPO1012AV	● TP1012MA	● TPD1012	4,5	7,6	22,0	12,0	100
	● TPO1018AV	● TP1018MA	● TPD1018	4,5	7,6	28,0	18,0	100
16	● TPO1612VE	● TP1612BI	● TPD1612	5,8	8,8	24,0	12,0	100
	● TPO1618VE	● TP1618BI	● TPD1618	5,8	8,8	28,0	18,0	100
25	● TPO25016MA	● TP2516NR	● TPD25016	7,3	11,2	30,0	16,0	50
	● TPO25022MA	● TP2522NR	● TPD25022	7,3	11,2	36,0	22,0	50
35	● TPO35016NO		● TPD35016	8,3	12,7	30,0	16,0	50
	● TPO35025NO		● TPD35025	8,3	12,7	39,0	25,0	50
50	● TPO50020VE		● TPD50020	10,3	15,0	36,0	20,0	50
	● TPO50025VS		● TPD50025	10,3	15,0	40,0	25,0	50
70	● TPO70022GI			13,5	16,0	37,0	21,0	25
95	● TPO95025RO			14,5	18,0	44,0	25,0	25
120	● TPO120027BL			16,5	20,0	48,0	27,0	25



Cu-ETP 99,9%, Sn / Copper tinned
PP (Polipropilene insulation)
T 105°C max.
Halogen Free



mm²	Color 1 Art. N.		Color 2 Art. N.		DIN 46228/4 Art. N.		d1	d2	d3	l2	l1	Pack
2 x 0,5	●	TP2T508AR	●	TPT508BI	●	TPT508BI	1,4	2,5	4,7	15	8	200
2 x 0,75	●	TP2T758BI	●	TP1T758BL	●	TPT758GR	1,7	2,8	5	15	8	200
2 x 0,75	●	TP2T7510BI	●	TP1T7510BL	●	TPT7510GR	1,7	2,8	5	17	10	200
2 x 1	●	TP2T108GI	●	TPT108RO	●	TPT108RO	1,95	3,4	5,4	15	8	200
2 x 1	●	TP2T110GI	●	TPT110RO	●	TPT110RO	1,95	3,4	5,4	17	10	200
2 x 1,5	●	TP2T1508RO	●	TPT1508NR	●	TPT1508NR	2,2	3,6	6,6	16	8	200
2 x 1,5	●	TP2T1512RO	●	TPT1512NR	●	TPT1512NR	2,2	3,6	6,6	20	12	200
2 x 2,5	●	TPT2510BL	●	TP1T2510GR	●	TPT2510BL	2,8	4,2	7,8	18,5	10	100
2 x 2,5	●	TPT2512BL	●	TP1T2512GR	●	TPT2512BL	2,8	4,2	7,8	21,5	13	100
2 x 4	●	TPT412GR	●	TP1T412AR	●	TPT412GR	3,7	4,9	8,8	23	12	100
2 x 6	●	TP2T614NR	●	TP1T614VE	●	TPT614GI	4,8	6,9	10	26	14	50
2 x 10	●	TP2T1014AV	●	TP1T1014MA	●	TPT1014RO	6,4	7,2	13	26	14	50
2 x 16	●	TP2T1614VE	●	TP1T1614AV	●	TPT1614BL	8,2	9,6	18,4	30	14	50



Cu-ETP 99,9%, Sn / Copper tinned
PP (Polipropilene insulation)
T 105°C max.
Halogen Free



mm ²	l mm	Color	Art. N.	mm				kg (/1000)	Pack
				l1	l2	d1	d2		
1,5	8	●	ICIAE158K	17,5	8	1,8	7,5	0,08	100
	10	●	ICIAE1510K	19,5	10			0,10	100
2,5	8	●	ICIAE28K	17,5	8	2,3	8	0,09	100
	12	●	ICIAE212K	21,5	12			0,14	100
4	10	●	ICIAE410K	19,5	10	2,9	9,5	0,18	100
6	12	●	ICIAE612K	23	12	3,6	10	0,28	100
10	12	●	ICIAE1012K	24	12	4,6	11,5	0,39	100
16	12	●	ICIAE1612K	25,5	12	6	13,5	0,50	100

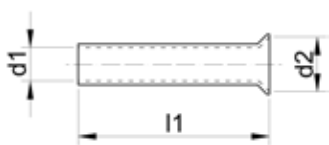
typically used tools: „GENERAL CATALOG TOOLS“



0,08 - 95 mm² page: 133-135



series 45, 50, 60, 130: 10 mm² ≤ .. page: 139-141, 144



Cu-ETP 99,9%, Sn / Copper tinned (DIN EN 13600)

DIN 46228 p. 1.
(exc.: *)

code T... :

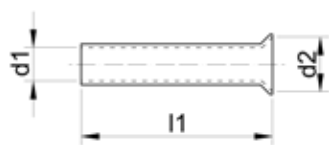


mm ²	Art. N.	mm			kg (/1000)	Pack
		l1	d1	d2		
0,14	ICAE0147	7	0,65		0,03	500
0,25	ICAE0255*	5	0,75		0,03	500
	ICAE0257*	7			0,04	500
0,34	ICAE0345*	5	0,85		0,03	500
	ICAE0347*	7			0,04	500
0,5	T056	6	1,1	2,1	0,04	500
	T058*	8			0,05	500
	ICAE0510	10			0,06	500
0,75	T0756	6	1,3	2,3	0,04	500
	T0758	8			0,05	500
	ICAE07510	10			0,07	500
1	T0106	6	1,5	2,5	0,05	500
	ICAE18*	8			0,06	500
	T0110	10			0,08	500
1,5	T01508	7	1,7	2,8	0,07	500
	T01510	10			0,10	500
	ICAE1512	12			0,11	500
2,5	ICAE1515*	15	1,9		0,15	500
	T02508	8	2,2	3,4	0,08	500
	T02510	10			0,10	500
	ICAE212	12	2,3		0,14	500
	ICAE215*	15			0,18	500
	ICAE218	18			0,21	500
4	T0410	10	2,8	4,0	0,17	100
	T0412	12			0,22	100
	ICAE418	18	2,9		0,34	100
6	T0610	10	3,5	4,7	0,23	100
	T0612	12			0,28	100
	T0616	18			0,41	100

typically used tools: „GENERAL CATALOG TOOLS“



page: 133-135



Cu-ETP 99,9%, Sn / Copper tinned (DIN EN 13600)

DIN 46228 p. 1.
(exc.: *)

code T... :

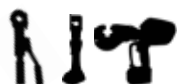


mm²	Art. N.	mm			kg (/1000)	Pack
		l1	d1	d2		
10	ICAE1010*	10	4,6		0,30	100
	ICAE1012	12			0,39	100
	T01016	15	4,5	5,8	0,45	100
	ICAE1018	18	4,6		0,58	100
16	ICAE1612	12	6		0,50	100
	T01616	15	5,8	7,5	0,56	100
	ICAE1618	18	6		0,74	100
	ICAE1625	25			1,00	100
25	ICAE2512*	12	7,5		0,61	50
	T025015	15	7,3	9,5	0,93	250
	T025018	18			0,93	250
	ICAE2525	25	7,5		1,26	50
35	T035018	18	8,3	11,0	1,04	100
	ICAE3525	25	8,5		1,38	50
50	ICAE5018	18	10,5		1,94	50
	ICAE5022*	22			2,31	50
	ICAE5025	25			2,59	50
	ICAE5032	32			3,02	50
70	ICAE7025*	25	12,7		3,68	25
	ICAE7032*	32			4,85	25
95	ICAE9525*	25	14,7		4,24	25
	ICAE9532*	32			5,30	25
120	ICAE12032*	32	16,7		7,87	10
	ICAE12040*	40			10,11	10
150	ICAE15032*	32	18,7		8,89	10
	ICAE15040*	40			10,70	10
185	ICAE18540*	40	20,2		14,37	10
240	ICAE24034*	34	23,1		13,04	10
	ICAE24040*	40			15,34	10

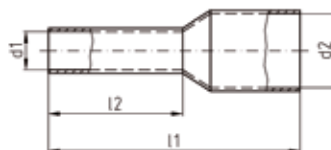
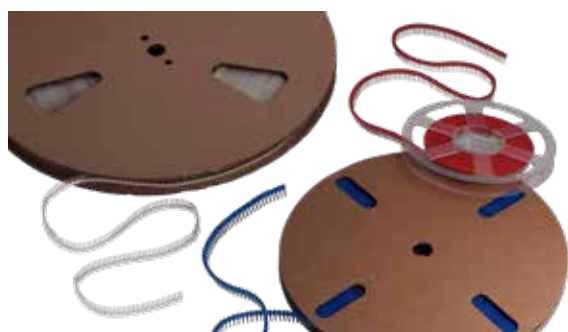
typically used tools: „GENERAL CATALOG TOOLS”



0,08 - 95 mm² page: 133-135



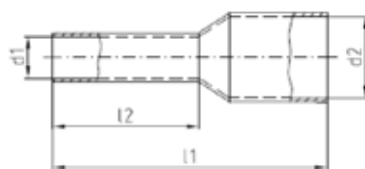
series 45, 50, 60, 130: 10 mm² ≤ .. page: 139-141, 144



Cu-ETP 99,9%, Sn / Copper tinned
PP (Polipropilene insulation)
T 105°C max.
Halogen Free



mm ²	Color	Art. N. Reel Ø 18 cm	Qty / Reel	Art. N. Reel Ø 32 cm	Qty / Reel	Art. N. Reel Ø 45 cm	Qty / Reel	d1	d2	l1	l2
0,5	●	TPD0508BL	1.000	TPD0508BM	4.000	TPD0508BL	10.000	1,0	2,6	14,0	8,0
0,75	●	TPD7508BL	1.000	TPD7508BM	4.000	TPD7508BL	10.000	1,2	2,8	14,0	8,0
1	●	TPD0108BL	800	TPD0108BM	3.500	TPD0108BL	7.500	1,4	3,0	14,0	8,0
1,5	●	TPD1508BL	800	TPD1508BM	3.500	TPD1508BL	7.500	1,7	3,5	14,0	8,0
2,5	●	TPD2508BL	500	TPD2508BM	2.500	TPD2508BL	5.000	2,2	4,2	14,0	8,0



Cu-ETP 99,9%, Sn / Copper tinned
PP (Polipropilene insulation)
T 105°C max.
Halogen Free
DIN 46228 p. 4.



mm ²	l mm	Color DIN Art. N.	Color 1 Art. N.	mm				kg (/1000)	Pack
				l1	l2	d1	d2		
0,5	8	● ICIAE058STF	● ICIAE058ORSTF	14	8	1	2,6	0,05	500
0,75	8	● ICIAE0758STF	● ICIAE0758WESTF	14	8	1,2	2,8	0,05	500
1	8	● ICIAE18STF	● ICIAE18GESTF	14	8	1,4	3	0,06	500
1,5	8	● ICIAE158STF	● ICIAE158ROSTF	14	8	1,7	3,5	0,08	500
2,5	8	● ICIAE28STF	● ICIAE28STF	14	8	2,2	4,2	0,09	500



Art. N.: SETAE2	mm ² x l mm	Qty
T056	0,5 x 6	300
T0756	0,75 x 6	300
T0106	1 x 6	300
T01508	1,5 x 7	300
T02508	2,5 x 7	200

Art. N.: SETIAE2	mm ² x l mm	Qty
● TPD0508	0,5 x 8	50
● TPD7508	0,75 x 8	100
● TPD0108	1 x 8	100
● TPD1508	1,5 x 8	100
● TPD2508BL	2,5 x 8	50



Art. N.: SETIAE16	mm ² x l mm	Qty
● TPO410GR	4 x 10	50
● TPD0612	6 x 12	20
● TPD1012	10 x 12	20
● TPD1612	16 x 12	10

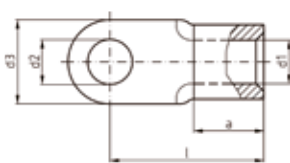
Art. N.: SETIAE2Z	mm ² x l mm	Qty
● TPT758GR	2x0,75 x 8	50
● TPT108RO	2x1 x 8	50
● TPT1508NR	2x1,5 x 8	50
● TPT2510BL	2x2,5 x 10	50





UNINSULATED TERMINALS SOLDERED, PLATE TYPES

DIN 46234



Cu-HCP 99,9%, Sn / Copper tinned

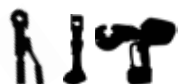
DIN 46234
(exc.: *)

mm ²	Ø mm	Art.N.	mm					kg (/100)	Pack
			d1	d2	d3	l	a		
0,5-1	2	ICQ12*	1,6	2,2	6	11	5	0,06	100
	2,5	ICQ125		2,7	6	11		0,06	100
	3	ICQ13		3,2	6	11		0,06	100
	3,5	ICQ135		3,7	6	11		0,06	100
	4	ICQ14		4,3	8	12		0,07	100
	5	ICQ15		5,3	10	13		0,08	100
	6	ICQ16*		6,5	10	13		0,08	100
	8	ICQ18*		8,4	12	17		0,10	100
	10	ICQ110*		10,5	14	17		0,10	100
1,5-2,5	3	ICQ23	2,3	3,2	6	11	5	0,07	100
	3,5	ICQ235		3,7	6	11		0,06	100
	4	ICQ24		4,3	8	12		0,08	100
	5	ICQ25		5,3	10	14		0,10	100
	6	ICQ26		6,5	11	16		0,11	100
	8	ICQ28		8,4	14	17		0,14	100
	10	ICQ210*		10,5	18	20		0,19	100
4-6	12	ICQ212*		13	18	20		0,16	100
	4	ICQ64	3,6	4,3	8	14	6	0,14	100
	5	ICQ65		5,3	10	15		0,16	100
	6	ICQ66		6,5	11	16		0,17	100
	8	ICQ68		8,4	14	19		0,22	100
	10	ICQ610		10,5	18	21		0,27	100
	12	ICQ612*		13	18	21		0,24	100
	4	ICQ104*	4,5	4,3	10	16	8	0,23	100
	5	ICQ105		5,3	10	16		0,23	100
	6	ICQ106		6,5	11	17		0,24	100
10	8	ICQ108		8,4	14	20		0,30	100
	10	ICQ1010		10,5	18	21		0,35	100
	12	ICQ1012		13	22	23		0,41	100

typically used tools: „GENERAL CATALOG TOOLS“

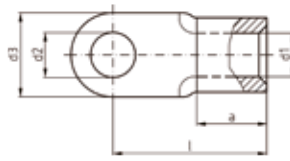


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series 50, 60, 130: 10 mm².≤ .. page: 144

DIN 46234



Cu-HCP 99,9%, Sn / Copper tinned

DIN 46234
(exc.: *)

mm ²	Ø mm	Art.N.	mm					kg (/100)	Pack
			d1	d2	d3	l	a		
16	5	ICQ165	5,8	5,3	11	20	10	0,40	100
	6	ICQ166		6,5	11	20		0,38	100
	8	ICQ168		8,4	14	22		0,43	100
	10	ICQ1610		10,5	18	24		0,50	100
25	12	ICQ1612		13	22	26		0,59	100
	5	ICQ255	7,5	5,3	12	25	11	0,71	100
	6	ICQ256		6,5	12	25		0,69	100
	8	ICQ258		8,4	16	25		0,76	100
35	10	ICQ2510		10,5	18	26		0,79	100
	12	ICQ2512		13	22	31		0,97	100
	16	ICQ2516		17	28	35		1,20	100
	6	ICQ356	9	6,5	15	26	12	0,97	50
50	8	ICQ358		8,4	16	26		0,97	50
	10	ICQ3510		10,5	18	27		1,01	50
	12	ICQ3512		13	22	31		1,17	50
	16	ICQ3516		17	28	36		1,41	50
70	20	ICQ3520*		21	30	37,5	14	1,68	50
	6	ICQ506	11	6,5	18	34	16	1,76	50
	8	ICQ508		8,4	18	34		1,71	50
	10	ICQ5010		10,5	18	34		1,74	50
130	12	ICQ5012		13	22	36		1,80	50
	16	ICQ5016		17	28	40		2,19	50
	20	ICQ5020*		21	32	41,2	18	2,57	50
	6	ICQ706	13	6,5	22	38	18	2,58	50
160	8	ICQ708		8,4	22	38		2,63	50
	10	ICQ7010		10,5	22	38		2,55	50
	12	ICQ7012		13	22	38		2,58	50
	16	ICQ7016		17	28	42		2,68	50
240	20	ICQ7020*		21	32	45	19	3,06	50

typically used tools: „GENERAL CATALOG TOOLS“

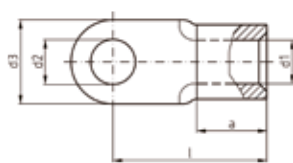


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series 50, 60, 130: 10 mm².≤ .. page: 144

DIN 46234



Cu-HCP 99,9%, Sn / Copper tinned

DIN 46234
(exc.: *)

mm ²	Ø mm	Art.N.	mm					kg (/100)	Pack
			d1	d2	d3	l	a		
95	8	ICQ958	15	8,4	24	42	20	4,09	50
	10	ICQ9510		10,5	24	42		4,22	50
	12	ICQ9512		13	24	42		3,92	50
	16	ICQ9516		17	28	44		3,94	50
	20	ICQ9520*		21	32	51,8		4,26	50
120	8	ICQ1208	16,5	8,4	24	44	22	5,63	50
	10	ICQ12010		10,5	24	44		5,56	50
	12	ICQ12012		13	24	44		5,33	50
	16	ICQ12016		17	28	48		5,67	50
	20	ICQ12020*		21	32	53	21	5,60	50
150	10	ICQ15010	19	10,5	30	50	24	8,02	25
	12	ICQ15012		13	30	50		7,84	25
	16	ICQ15016		17	30	50		7,56	25
	20	ICQ15020*		21	36	63	27	7,35	25
185	10	ICQ18510	21	10,5	36	50	28	10,60	25
	12	ICQ18512		13	36	50		10,78	25
	16	ICQ18516		17	36	50		10,61	25
	20	ICQ18520*		21	36	50		10,17	25
240	10	ICQ24010	23,5	10,5	38	56	32	15,01	25
	12	ICQ24012		13	38	56		14,98	25
	16	ICQ24016		17	38	56		14,53	25

typically used tools: „GENERAL CATALOG TOOLS“

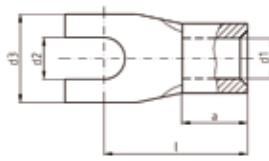


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series 50, 60, 130: 10 mm² ≤ .. page: 144

DIN 46234

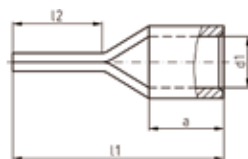


Cu-HCP 99,9%, Sn / Copper tinned

DIN 46234
(exc.: *)

mm ²	Ø mm	Art.N.	mm					kg (/100)	Pack
			d1	d2	d3	l	a		
0,5-1	3	ICQ13G	1,6	3,2	6	11	5	0,06	100
	3,5	ICQ135G		3,7	6	11		0,05	100
	4	ICQ14G		4,3	8	12		0,07	100
	5	ICQ15G		5,3	10	13		0,08	100
	6	ICQ16G		6,5	12	17		0,09	100
1,5-2,5	3	ICQ23G	2,3	3,2	6	11	5	0,06	100
	3,5	ICQ235G		3,7	6,8	11		0,07	100
	4	ICQ24G		4,3	8	12		0,08	100
	5	ICQ25G		5,3	10	14		0,10	100
	6	ICQ26G		6,5	11	16		0,12	100
4-6	4	ICQ64G	3,6	4,3	8	14	6	0,14	100
	5	ICQ65G		5,3	10	15		0,16	100
	6	ICQ66G		6,5	11	16		0,17	100
	8	ICQ68G		8,4	14	19		0,25	100
10	5	ICQ105G	4,5	5,3	10	16	8	0,23	100
	6	ICQ106G		6,5	11	17		0,24	100
16	6	ICQ166G	5,8	6,5	11	20	10	0,50	50
	8	ICQ168G		8,4	14	22		0,50	50

DIN 46230

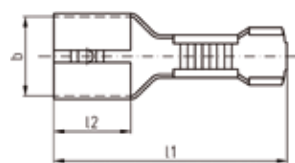


Cu-HCP 99,9%, Sn / Copper tinned

DIN 46230
(exc.: *)

mm ²	Art.N.	mm					kg (/100)	Pack
		d1	l1	l2	a	Ø mm		
0,5-1	ICQ1ST	1,6	17	10	5	1,9	0,06	100
1,5-2,5	ICQ2ST	2,3	17	10	5	1,9	0,07	100
4-6	ICQ6ST	3,6	20	11	6	2,6	0,15	100
10	ICQ10ST	4,5	22	12	8	2,3 x 4,2	0,25	100
16	ICQ16ST	5,8	26	13	10	2,5 x 5,6	0,43	100
25	ICQ25ST*	7	34,1	16	14	2,5 x 6,9	0,69	50
35	ICQ35ST*	8,4	41	20	16	3,2 x 8,1	1,19	50
50	ICQ50ST*	9,5	45,7	21	19	3,7 x 9,5	1,89	50
70	ICQ70ST*	11,2	55	24	24	4 x 11	3,01	50
95	ICQ95ST*	13,5	55,5	22	24	5,1 x 12,3	4,25	50

DIN 46247

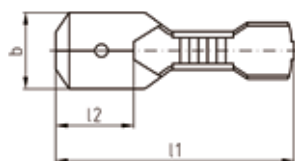


A: Brass, Sn / Brass tinned
B: Steel + Ni

DIN 46247

mm ²	Art.N. A	mm x mm		mm		kg (/100)	Pack	Art. N. B
				l1	l2			
0,5-1	ICC125FH	2,8	0,5	14,6	6,2	0,03	100	-
	ICC128FH	2,8	0,8	14,6	6,2	0,03	100	-
	ICC145FH	4,8	0,5	15,6	6,4	0,05	100	-
	ICC148FH	4,8	0,8	15,6	6,4	0,05	100	-
1,5-2,5	ICC168FH	6,3	0,8	19,7	7,7	0,09	100	ICC168FHSV
	ICC248FH	4,8	0,8	15,9	6,6	0,05	100	-
	ICC268FH	6,3	0,8	19,7	7,7	0,09	100	ICC268FHSV
4-6	ICC668FH	6,3	0,8	19,8	7,7	0,10	100	ICC668FHSV

DIN 46248

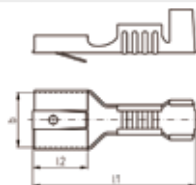


Brass, Sn / Brass tinned

DIN 46248

mm ²	Art.N.	mm x mm		mm		kg (/100)	Pack
				l1	l2		
0,5-1	ICC168FS	6,3	0,8	20,5	9,3	0,06	100
1,5-2,5	ICC268FS	6,3	0,8	20,7	8	0,07	100

DIN 46340 (with lock)



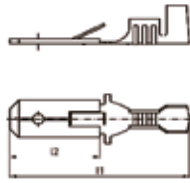
Brass, Sn / Brass tinned

DIN 46340

mm ²	Art.N.	mm x mm		mm		kg (/100)	Pack
				l1	l2		
0,5-1	ICC168FHR	6,3	0,8	20	7,6	0,07	100
1,5-2,5	ICC268FHR	6,3	0,8	20	7,6	0,08	100
4-6	ICC668FHR	6,3	0,8	19,38	7,7	0,08	100

typically used tools: „GENERAL CATALOG TOOLS“  6 - 16 mm² page: 136

DIN 46343 (with lock)

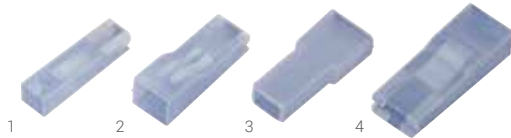


Brass, Sn / Brass tinned

DIN 46343

mm ²	Art.N.	mm x mm		mm		kg (/100)	Pack
				I1	I2		
0,5-1	ICC168FSR	6,3	0,8	28	15	0,09	100
1,5-2,5	ICC268FSR	6,3	0,8	28	15	0,09	100
4-6	ICC668FSR	6,3	0,8	28,7	15,4	0,10	100

Insulation for push-on terminals



Insulation for push-on terminals (not with lock)

Natur

	Art.N.	mm	mm ²	Material	kg (/100)	Pack
1	ICC12IH	2,8	0,5-1	Polyamide 6.6	0,03	100
2	ICC24IH	4,8	0,5-2,5	Polyamide 6.6	0,04	100
3	ICC26IH	6,3	0,5-2,5	Polyethylene	0,04	100
4	ICC66IH	6,3	0,5-6	Polyamide 6.6	0,06	100



Brass, Sn / Brass tinned
6,3 x 0,8 mm

	mm ²	Art.N.	kg (/100)	Pack
1	0,5-1	ICC1FHA	0,11	100
1	1,5-2,5	ICC2FHA	0,12	100
2	-	ICC68FHAII	0,12	100
3	-	ICC68FHAIII	0,14	100

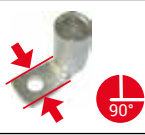
UNINSULATED TERMINALS

				Brass, Sn / Brass tinned		
	Art.N.	mm x mm		Ø mm	kg (/100)	Pack
1	ICC68FSI	6,3	0,8	4,2	0,09	100
2	ICC68FSIIL4	6,3	0,8	4,2	0,09	100
2	ICC68FSIIL5	6,3	0,8	5,2	0,08	100
3	ICC68FSIII	6,3	0,8	4,2	0,09	100
5	ICC68FSVL4	6,3	0,8	4,3	0,14	100
5	ICC68FSVL6	6,3	0,8	6,2	0,16	100
6	ICC68FSVI	6,3	0,8	4,3	0,14	100
7	ICC28FSVII	2,8	0,8	-	0,04	100
7	ICC68FSVII	6,3	0,8	-	0,09	100
8	ICC68FSVIII	6,3	0,8	-	0,05	100

						Brass, Sn (tinned) Insulation (transparent) 6,3 x 0,8 mm		
	Art.N.	Pcs	mm x mm		b mm	Insulation	kg (/100)	Pack
1	ICC168FSK	1	6,3	0,8	27,8	soft-PVC	0,25	100
2	ICC1268FSK	12	6,3	0,8	25,8	soft-PVC	2,80	10
3	ICC168FSA	1/2	6,3	0,8	54,0	soft-PVC	0,66	20



TUBULAR CABLE LUGS & CONNECTORS CU, NI, STEEL, AL, AL/CU

		standard	page
Cu		  	36
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		  	42
		 	43
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		 	49
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		  	52
		 	54
		 	56
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		 	63
		 	64
		 	65

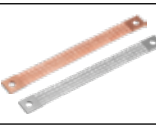
Cu		  	66
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			73
			75

THE DIMENSIONS OF THE TUBE / PIPE OF THE CONNECTORS

   Intercable company standard dimensions, **I-series** known as used commonly by ITALIAN colleagues, very cost-efficient and high quality solution fits perfectly for most connection processes.

  Intercable company standard dimensions, known as used commonly by GERMAN colleagues, the same dimensions are used by our Weitkowitz EURO-series, mostly industrial high quality solution fits perfectly for most connection processes.

		standard	page
Cu MEDIUM VOLTAGE			76
			
			
			
Al - Cu LOW - MEDIUM VOLTAGE		DIN 46329 	78
		DIN 46329 	79
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		DIN 46329 and „ENEL“ specs. 	80
		pin connection	83
			
		connection and reduction	85
			90
		full tension	

Cu, Brass			91
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			92
			
			93
		Cu end-pin DIN 46235 	93



DIN 

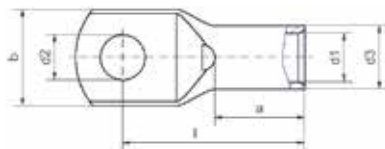
The dimensions are according to the DIN standards, or followed by the DIN guideline dimensions.



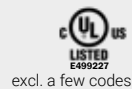
THE CRIMPING DIES AND THE CONNECTOR MUST WORK TOGETHER
The dimensions of the crimping dies must fit to the dimensions of the connectors!
SELECT THE RIGHT COMBINATION FROM THE SAME STANDARD!



Cu - Intercable IT standard



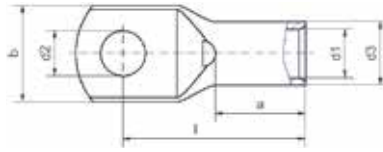
Cu-HCP 99,9% / Copper tinned
DIN EN 13600



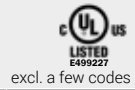
excl. a few codes

mm ²	Ø mm	Art. N. (inspect. hole: yes)	Art. N. (inspect. hole: no)	d1	d3	d2	b	l	a	Pack
1-1,5	3		CI1.5-M3	1,9	3,9	3,2	6,5	14,0	6,0	50
	4		CI1.5-M4			4,3	8,5	15,0		50
	5		CI1.5-M5			5,3	10,0	16,0		50
	6		CI1.5-M6			6,4	11,0	18,0		50
2,5	4		CI2.5-M4	2,4	4,4	4,3	8,5	15,0	6,5	50
	5		CI2.5-M5			5,3	10,0	16,0		50
	6		CI2.5-M6			6,4	11,0	18,0		50
	8		CI2.5-M8			8,4	13,0	20,0		50
4	4		CI4-M4	3,0	5,0	4,3	8,5	17,0	8,0	50
	5		CI4-M5			5,3	10,0	18,0		50
	6		CI4-M6			6,4	11,0	20,0		50
	8		CI4-M8			8,4	14,0	22,0		50
6	4		CI6-M4	3,7	5,5	4,3	8,5	17,5	8,0	50
	5		CI6-M5			5,3	10,0	19,0		50
	6		CI6-M6			6,4	11,0	21,0		50
	8		CI6-M8			8,4	14,0	23,0		50
	10		CI6-M10			10,5	15,0	25,5		50
10	4	CI10-M4	ICS104	4,3	6,7	4,3	10,0	19,5	10,0	50
	5	CI10-M5	ICS105			5,3	10,0	20,5		50
	6	CI10-M6	ICS106			6,4	11,0	22,5		50
	8	CI10-M8	ICS108			8,4	15,0	25,0		50
	10	CI10-M10	ICS1010			10,5	18,0	27,5		50
	12	CI10-M12	ICS1012			13,0	19,0	28,5		50
16	5	CI16-M5	ICS165	5,4	7,8	5,3	12,0	22,5	11,0	50
	6	CI16-M6	ICS166			6,4	12,0	24,5		50
	8	CI16-M8	ICS168			8,4	15,0	26,5		50
	10	CI16-M10	ICS1610			10,5	18,0	29,0		50
	12	CI16-M12	ICS1612			13,0	20,0	30,0		50
25	5	CI25-M5	ICS255	6,9	9,4	5,3	14,0	25,0	13,0	50
	6	CI25-M6	ICS256			6,4	14,0	27,0		50
	8	CI25-M8	ICS258			8,4	15,0	29,0		50
	10	CI25-M10	ICS2510			10,5	18,0	31,5		50
	12	CI25-M12	ICS2512			13,0	20,0	32,5		50
	14	CI25-M14	ICS2514			15,0	22,0	34,5		50
35	5	CI35-M5	ICS355	8,3	11,3	5,3	16,5	32,5	16,0	25
	6	CI35-M6	ICS356			6,4	16,5	32,5		25
	8	CI35-M8	ICS358			8,4	16,5	33,0		25
	10	CI35-M10	ICS3510			10,5	18,0	35,5		25
	12	CI35-M12	ICS3512			13,0	20,0	36,5		25
	14	CI35-M14	ICS3514			15,0	22,0	39,0		25
	16	CI35-M16	ICS3516			17,0	26,0	41,5		25

Cu - Intercable IT standard



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	Ø mm	Art. N. (inspect. hole: yes)	Art. N. (inspect. hole: no)	d1	d3	d2	b	l	a	Pack
50	6	CI50-M6	ICS506	9,6	13,1	6,4	19,0	36,0	18,0	25
	8	CI50-M8	ICS508			8,4	19,0	37,0		25
	10	CI50-M10	ICS5010			10,5	20,0	39,0		25
	12	CI50-M12	ICS5012			13,0	23,0	40,5		25
	14	CI50-M14	ICS5014			15,0	25,0	42,5		25
	16	CI50-M16	ICS5016			17,0	27,0	45,5		25
	20	CI50-M20	ICS5020			21,0	28,0	50,0		25
70	6	CI70-M6	CI70-M6W	11,3	14,7	6,4	22,5	41,0	21,0	25
	8	CI70-M8	CI70-M8W			8,4	22,5	41,0		25
	10	CI70-M10	CI70-M10W			10,5	22,5	42,5		25
	12	CI70-M12	CI70-M12W			13,0	23,0	43,5		25
	14	CI70-M14	CI70-M14W			15,0	26,0	46,0		25
	16	CI70-M16	CI70-M16W			17,0	28,0	48,5		25
95	6	CI95-M6	ICS956	13,5	17,5	6,4	25,0	46,0	23,0	25
	8	CI95-M8	ICS958			8,4	25,0	45,5		25
	10	CI95-M10	ICS9510			10,5	25,0	47,0		25
	12	CI95-M12	ICS9512			13,0	26,0	47,0		25
	14	CI95-M14	ICS9514			15,0	26,0	49,0		25
	16	CI95-M16	ICS9516			17,0	28,0	50,0		25
	20	CI95-M20	ICS9520			21,0	31,0	54,5		25
120	8	CI120-M8	ICS1208	15,5	20,0	8,4	29,0	50,5	26,0	25
	10	CI120-M10	ICS12010			10,5	29,0	53,0		25
	12	CI120-M12	ICS12012			13,0	29,0	52,5		25
	14	CI120-M14	ICS12014			15,0	29,0	53,5		25
	16	CI120-M16	ICS12016			17,0	29,0	55,0		25
	20	CI120-M20	ICS12020			21,0	35,0	60,0		25
150	8	CI150-M8	ICS1508	16,8	21,3	8,4	31,0	55,5	29,0	10
	10	CI150-M10	ICS15010			10,5	31,0	56,5		10
	12	CI150-M12	ICS15012			13,0	31,0	56,0		10
	14	CI150-M14	ICS15014			15,0	31,0	57,0		10
	16	CI150-M16	ICS15016			17,0	31,0	58,0		10
	20	CI150-M20	ICS15020			21,0	35,0	63,0		10
185	8	CI185-M8	ICS1858	19,0	24,0	8,4	35,0	58,0	30,0	10
	10	CI185-M10	ICS18510			10,5	35,0	59,0		10
	12	CI185-M12	ICS18512			13,0	35,0	58,5		10
	14	CI185-M14	ICS18514			15,0	35,0	61,0		10
	16	CI185-M16	ICS18516			17,0	35,0	63,0		10
	20	CI185-M20	ICS18520			21,0	35,0	66,0		10

typically used tools: „GENERAL CATALOG TOOLS“

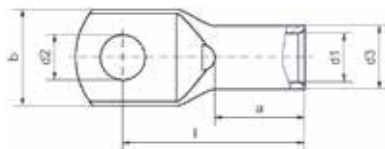


! standard: I-series

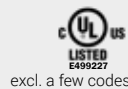


TUBULAR CABLE LUGS & CONNECTORS

Cu - Intercable IT standard



Cu-HCP 99,9% / Copper tinned
DIN EN 13600

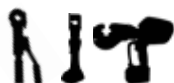


mm ²	Ø mm	Art. N. (inspect. hole: yes)	Art. N. (inspect. hole: no)	d1	d3	d2	b	l	a	Pack
240	8	CI240-M8	CI240-M8W	21,1	27,3	8,4	39,0	69,0	35,0	10
	10	CI240-M10	CI240-M10W			10,5	39,0	69,0		10
	12	CI240-M12	CI240-M12W			13,0	39,0	69,0		10
	14	CI240-M14	CI240-M14W			15,0	39,0	71,0		10
	16	CI240-M16	CI240-M16W			17,0	39,0	71,5		10
	20	CI240-M20	CI240-M20W			21,0	39,0	73,0		10
300	10	CI300-M10	ICS30010	24,0	30,0	10,5	44,0	79,5	42,0	5
	12	CI300-M12	ICS30012			13,0	44,0	82,0		5
	14	CI300-M14	ICS30014			15,0	44,0	84,0		5
	16	CI300-M16	ICS30016			17,0	44,0	85,0		5
	20	CI300-M20	ICS30020			21,0	44,0	85,0		5
400	10	CI400-M10	CI400-M10W	27,0	35,0	10,5	51,0	94,0	42,0	5
	12	CI400-M12	CI400-M12W			13,0	51,0	94,0		5
	14	CI400-M14	CI400-M14W			15,0	51,0	94,0		5
	16	CI400-M16	CI400-M16W			17,0	51,0	94,0		5
	20	CI400-M20	CI400-M20W			21,0	51,0	94,0		5
500	12	CI500-M12	ICS50012	31,0	38,0	13,0	55,5	113,0	70,0	5
	16	CI500-M16	ICS50016			17,0	55,5	113,0		5
	20	CI500-M20	ICS50020			21,0	55,5	113,0		5
630	16	CI630-M16	ICS63016	34,0	41,0	17,0	61,0	131,0	70,0	5
	20	CI630-M20	ICS63020			21,0	61,0	131,0		5

typically used tools: „GENERAL CATALOG TOOLS“



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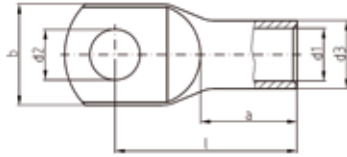
hydraulic tool selection: page: 144



! standard: I-series

crimping dies: page: 163-184

Cu - Intercable D standard „R-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm²	Ø mm	Art. N. (inspect. hole: yes)	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
				d1	d3	d2	b	l	a		
0,5-0,75	3		ICR0753*	1,4	3	3,2	6,5	12,5	6	0,07	50
	4		ICR0754*			4,3	8,5	14		0,08	50
	5		ICR0755*			5,3	10	15		0,10	50
1,0-1,5	3		ICR13*	1,9	3,9	3,2	6,5	14	6	0,13	50
	4		ICR14*			4,3	8,5	15		0,14	50
	5		ICR15*			5,3	10	16		0,15	50
	6		ICR16*			6,4	11	18		0,17	50
2,5	4		ICR24*	2,4	4,4	4,3	8,5	15	6,5	0,16	50
	5		ICR25*			5,3	10	16		0,18	50
	6		ICR26*			6,4	11	18		0,20	50
	8		ICR28*			8,4	13	20		0,23	50
4	4		ICR44*	3	5	4,3	8,5	17	8	0,22	50
	5		ICR45*			5,3	10	18		0,24	50
	6		ICR46*			6,4	11	20		0,26	50
	8		ICR48*			8,4	14	22		0,30	50
6	4	ICR64SL	ICR64	3,5	6,5	4,3	10	19	9	0,49	50
	5	ICR65SL	ICR65			5,3	10	20		0,47	50
	6	ICR66SL	ICR66			6,4	11	21,5		0,54	50
	8	ICR68SL	ICR68			8,4	15	24		0,60	50
	10	ICR610SL	ICR610			10,5	18	26		0,64	50
	12	ICR612SL	ICR612			13	20	27,5		0,64	50
10	4	ICR104SL	ICR104	4,5	7	4,3	12	20	10	0,43	50
	5	ICR105SL	ICR105			5,3	12	21		0,49	50
	6	ICR106SL	ICR106			6,4	12	22,5		0,51	50
	8	ICR108SL	ICR108			8,4	15	25		0,60	50
	10	ICR1010SL	ICR1010			10,5	18	27		0,63	50
	12	ICR1012SL	ICR1012			13	20	28,5		0,64	50
16	4	ICR164SL	ICR164	5,5	8,5	4,3	12	24	13	0,82	50
	5	ICR165SL	ICR165			5,3	12	25		0,88	50
	6	ICR166SL	ICR166			6,4	12	26,5		0,96	50
	8	ICR168SL	ICR168			8,4	15	29		1,04	50
	10	ICR1610SL	ICR1610			10,5	18	31		1,10	50
	12	ICR1612SL	ICR1612			13	19	32		1,13	50

typically used tools: „GENERAL CATALOG TOOLS“



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hydraulic tool selection: page: 144

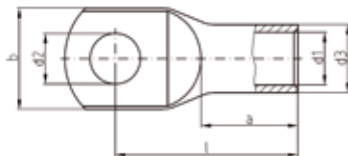


! standard: R-series

crimping dies: page: 163-184



Cu - Intercable D standard „R-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm²	Ø mm	Art. N. (inspect. hole: yes)	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
				d1	d3	d2	b	l	a		
25	5	ICR255SL	ICR255	7	10	5,3	15	33,5	15	1,38	50
	6	ICR256SL	ICR256			6,4	15	31,5		1,31	50
	8	ICR258SL	ICR258			8,4	16	33		1,30	50
	10	ICR2510SL	ICR2510			10,5	18	34,5		1,51	50
	12	ICR2512SL	ICR2512			13	20	36		1,55	50
	14	ICR2514SL	ICR2514			15	22	39		1,74	50
	16	ICR2516SL	ICR2516			17	26	42		1,62	50
35	6	ICR356SL	ICR356	8,5	12	6,4	17	33	17	2,11	25
	8	ICR358SL	ICR358			8,4	17	34		2,18	25
	10	ICR3510SL	ICR3510			10,5	20	36,5		2,27	25
	12	ICR3512SL	ICR3512			13	22	37,5		2,33	25
	14	ICR3514SL	ICR3514			15	23	40		2,44	25
	16	ICR3516SL	ICR3516			17	28	44		2,60	25
50	6	ICR506SL	ICR506	10	14	6,4	20	37	19	3,02	25
	8	ICR508SL	ICR508			8,4	20	39		3,04	25
	10	ICR5010SL	ICR5010			10,5	20	40,5		3,17	25
	12	ICR5012SL	ICR5012			13	23	42		3,26	25
	14	ICR5014SL	ICR5014			15	23	44		3,41	25
	16	ICR5016SL	ICR5016			17	27	46		3,64	25
	20	ICR5020SL	ICR5020			21	30,5	52,5		3,89	25
70	6	ICR706SL	ICR706	12	16,5	6,4	24	40,5	21	4,12	25
	8	ICR708SL	ICR708			8,4	24	42,5		4,50	25
	10	ICR7010SL	ICR7010			10,5	24	43,5		4,78	25
	12	ICR7012SL	ICR7012			13	24	45		4,64	25
	14	ICR7014SL	ICR7014			15	25	46		4,95	25
	16	ICR7016SL	ICR7016			17	28	48,5		5,19	25
	20	ICR7020SL	ICR7020			21	29	52		5,18	25
95	6	ICR956SL	ICR956	13,5	18	6,4	26	43	23	5,57	25
	8	ICR958SL	ICR958			8,4	26	46		5,50	25
	10	ICR9510SL	ICR9510			10,5	26	47		5,51	25
	12	ICR9512SL	ICR9512			13	26	48		5,54	25
	14	ICR9514SL	ICR9514			15	26	51,5		5,99	25
	16	ICR9516SL	ICR9516			17	28	51		5,97	25
	20	ICR9520SL	ICR9520			21	30	55		6,13	25

typically used tools: „GENERAL CATALOG TOOLS“



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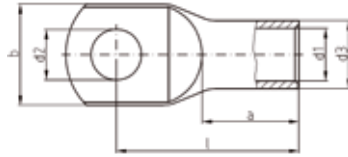
hydraulic tool selection: page: 144



! standard: R-series

crimping dies: page: 163-184

Cu - Intercable D standard „R-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600

mm ²	Ø mm	Art. N. (inspect. hole: yes)	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
				d1	d3	d2	b	l	a		
120	8	ICR1208SL	ICR1208	15	20	8,4	29	49,5	26	6,88	25
	10	ICR12010SL	ICR12010			10,5	29	52		8,39	25
	12	ICR12012SL	ICR12012			13	29	51,5		7,85	25
	14	ICR12014SL	ICR12014			15	30	53		8,14	25
	16	ICR12016SL	ICR12016			17	30	55		8,50	25
	20	ICR12020SL	ICR12020			21	35	60		8,90	25
150	8	ICR1508SL	ICR1508	16,8	21,3	8,4	31	55,5	29	8,34	10
	10	ICR15010SL	ICR15010			10,5	31	56,5		8,34	10
	12	ICR15012SL	ICR15012			13	31	56		8,14	10
	14	ICR15014SL	ICR15014			15	31	57		8,12	10
	16	ICR15016SL	ICR15016			17	31	58		8,50	10
	20	ICR15020SL	ICR15020			21	35	63		8,84	10
185	8	ICR1858SL*	ICR1858*	19	24	8,4	35	58	30	10,61	10
	10	ICR18510SL	ICR18510			10,5	35	59		10,93	10
	12	ICR18512SL	ICR18512			13	35	58,5		10,79	10
	14	ICR18514SL	ICR18514			15	35	61		10,72	10
	16	ICR18516SL	ICR18516			17	35	63		10,86	10
	20	ICR18520SL	ICR18520			21	35	66		11,33	10
240	8	ICR2408SL*	ICR2408*	21	26	8,4	38	67	35	12,40	10
	10	ICR24010SL	ICR24010			10,5	38	67		12,99	10
	12	ICR24012SL	ICR24012			13	38	67		13,02	10
	14	ICR24014SL	ICR24014			15	38	69		13,96	10
	16	ICR24016SL	ICR24016			17	38	69,5		13,88	10
	20	ICR24020SL	ICR24020			21	38	71		13,95	10
300	10	ICR30010SL*	ICR30010*	24	30	10,5	44	79,5	42	20,45	5
	12	ICR30012SL	ICR30012			13	44	82		21,72	5
	14	ICR30014SL	ICR30014			15	44	84		22,47	5
	16	ICR30016SL	ICR30016			17	44	85		21,94	5
	20	ICR30020SL	ICR30020			21	44	85		22,92	5
400	10	ICR40010SL	ICR40010	27,5	33,5	10,5	49	92	47	27,90	5
	12	ICR40012SL	ICR40012			13	49	92		29,80	5
	16	ICR40016SL	ICR40016			17	49	92		27,90	5
	20	ICR40020SL	ICR40020			21	49	92		26,61	5

typically used tools: „GENERAL CATALOG TOOLS“



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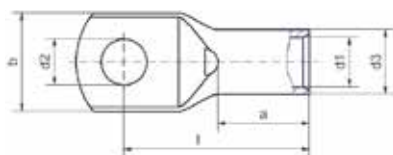
hydraulic tool selection: page: 144



! standard: R-series

crimping dies: page: 163-184

Cu - Intercable IT standard / for flexible cable class 5/6

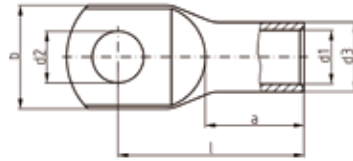


Cu-HCP 99,9% / Copper tinned
DIN EN 13600

mm ²	Ø mm	Art. N. (inspect. hole: yes)	d1	d3	d2	b	l	a	Pack
35	5	CI35-M5-SF	9,3	11,7	5,3	16,5	32,5	16,0	25
	6	CI35-M6-SF			6,4	16,5	32,5		25
	8	CI35-M8-SF			8,4	16,5	33,0		25
	10	CI35-M10-SF			10,5	18,0	35,5		25
	12	CI35-M12-SF			13,0	20,0	36,5		25
	14	CI35-M14-SF			15,0	22,0	39,0		25
	16	CI35-M16-SF			17,0	26,0	41,5		25
50	6	CI50-M6-SF	11,0	13,6	6,4	19,0	36,0	18,0	25
	8	CI50-M8-SF			8,4	19,0	37,0		25
	10	CI50-M10-SF			10,5	20,0	39,0		25
	12	CI50-M12-SF			13,0	23,0	40,5		25
	14	CI50-M14-SF			15,0	25,0	42,5		25
	16	CI50-M16-SF			17,0	27,0	45,5		25
	20	CI50-M20-SF			21,0	28,0	50,0		25
70	6	CI70-M6-SF	13,0	16,0	6,4	22,5	41,0	21,0	25
	8	CI70-M8-SF			8,4	22,5	41,0		25
	10	CI70-M10-SF			10,5	22,5	42,5		25
	12	CI70-M12-SF			13,0	23,0	43,5		25
	14	CI70-M14-SF			15,0	26,0	46,0		25
	16	CI70-M16-SF			17,0	28,0	48,5		25
95	6	CI95-M6-SF	15,0	18,8	6,4	25,0	46,0	23,0	25
	8	CI95-M8-SF			8,4	25,0	45,5		25
	10	CI95-M10-SF			10,5	25,0	47,0		25
	12	CI95-M12-SF			13,0	26,0	47,0		25
	14	CI95-M14-SF			15,0	26,0	49,0		25
	16	CI95-M16-SF			17,0	28,0	50,0		25
	20	CI95-M20-SF			21,0	31,0	54,5		25
120	8	CI120-M8-SF	16,8	21,3	8,4	31,0	55,5	29,0	25
	10	CI120-M10-SF			10,5	31,0	56,5		25
	12	CI120-M12-SF			13,0	31,0	56,0		25
	14	CI120-M14-SF			15,0	31,0	57,0		25
	16	CI120-M16-SF			17,0	31,0	58,0		25
	20	CI120-M20-SF			21,0	35,0	63,0		25
150	8	CI150-M8-SF	19,0	24,0	8,4	35,0	58,0	30,0	25
	10	CI150-M10-SF			10,5	35,0	59,0		25
	12	CI150-M12-SF			13,0	35,0	58,5		25
	14	CI150-M14-SF			15,0	35,0	61,0		25
	16	CI150-M16-SF			17,0	35,0	63,0		25
	20	CI150-M20-SF			21,0	35,0	66,0		25
185	8	CI185-M8-SF	21,1	27,3	8,4	39,0	69,0	35,0	25
	10	CI185-M10-SF			10,5	39,0	69,0		25
	12	CI185-M12-SF			13,0	39,0	69,0		25
	14	CI185-M14-SF			15,0	39,0	71,0		25
	16	CI185-M16-SF			17,0	39,0	71,5		25
	20	CI185-M20-SF			21,0	39,0	73,0		25



Cu - Intercable D standard / for flexible cable class 5/6 „F-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	cable min. Ø mm	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
				d1	d3	d2	b	l	a		
10	4,0	5	ICF105	5	8	5,3	12	23	12	0,70	50
		6	ICF106			6,4	12	25		0,76	50
		8	ICF108			8,4	15	28		0,91	50
		10	ICF1010			10,5	18	31		0,98	50
		12	ICF1012			13	20	32		1,00	50
16	5,0	5	ICF165	6	9	5,3	14	25,5	13	0,94	50
		6	ICF166			6,4	14	27		1,01	50
		8	ICF168			8,4	15	29,5		1,13	50
		10	ICF1610			10,5	18	32		1,14	50
		12	ICF1612			13	20	33		1,19	50
25	6,5	6	ICF256	7,7	10,7	6,4	16	32	16	1,51	50
		8	ICF258			8,4	16	34		1,50	50
		10	ICF2510			10,5	18	35		1,56	50
		12	ICF2512			13	20	36		1,65	50
35	7,8	6	ICF356	9,2	12,4	6,4	18	36	18	2,10	25
		8	ICF358			8,4	18	36		2,13	25
		10	ICF3510			10,5	18	38		2,14	25
		12	ICF3512			13	23	40		2,22	25
		16	ICF3516			17	26	45		2,21	25
50	9,0	6	ICF506	11,2	14,8	6,4	22	42	21	3,20	25
		8	ICF508			8,4	22	42		3,22	25
		10	ICF5010			10,5	22	43		3,36	25
		12	ICF5012			13	23	44		3,38	25
		16	ICF5016			17	28	48,5		3,69	25
70	11,0	6	ICF706	13,5	17,5	6,4	25	46	23	4,43	25
		8	ICF708			8,4	25	45,5		4,85	25
		10	ICF7010			10,5	25	47		5,00	25
		12	ICF7012			13	26	47		4,91	25
		16	ICF7016			17	28	50		5,15	25
		20	ICF7020			21	31	54,5		5,52	25

typically used tools: „GENERAL CATALOG TOOLS“



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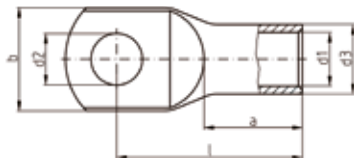
hydraulic tool selection: page: 144



! standard: I-series
flexible

crimping dies: page: 163-184

Cu - Intercable D standard / for flexible cable class 5/6 „F-series“



Cu-HCP 99,9% / Copper tinned
 DIN EN 13600



mm ²	cable min. Ø mm	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
				d1	d3	d2	b	l	a		
95	13,0	6	ICF956	15,5	20	6,4	29	50,5	26	6,50	25
		8	ICF958			8,4	29	50,5		6,93	25
		10	ICF9510			10,5	29	53		7,50	25
		12	ICF9512			13	29	52,5		7,08	25
		16	ICF9516			17	29	55		7,29	25
		20	ICF9520			21	35	60		7,61	25
120	15,0	10	ICF12010	16,8	21,3	10,5	31	56,5	29	8,19	25
		12	ICF12012			13	31	56		8,07	25
		16	ICF12016			17	31	58		8,36	25
		20	ICF12020			21	35	63		8,75	25
150	16,3	10	ICF15010	19	24	10,5	35	59	30	10,40	10
		12	ICF15012			13	35	58,5		10,70	10
		16	ICF15016			17	35	63		11,11	10
		20	ICF15020			21	35	66		11,96	10
185	18,5	10	ICF18510	21	26	10,5	38	67	35	13,59	10
		12	ICF18512			13	38	67		12,48	10
		16	ICF18516			17	38	69,5		12,88	10
		20	ICF18520			21	38	71		13,95	10
240	20,5	12	ICF24012	24	30	13	44	82	42	21,72	10
		16	ICF24016			17	44	85		21,94	10
		20	ICF24020			21	44	85		22,92	10
300	23,5	12	ICF30012	27,5	33,5	13	49	92	47	29,80	5
		16	ICF30016			17	49	92		27,50	5
		20	ICF30020			21	49	92		26,61	5

typically used tools: „GENERAL CATALOG TOOLS“



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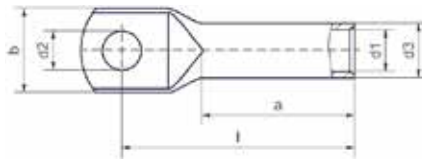
hydraulic tool selection: page: 144



! standard: F-series

crimping dies: page: 163-184

Cu - Intercable IT standard / LONG



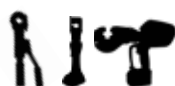
Cu-HCP 99,9% / Copper tinned
DIN EN 13600

mm ²	Ø mm	Art. N. (inspect. hole: no)	d1	d3	d2	b	l	a	Pack
16	8	CI16-M8-CL	5,4	7,8	8,4	15,0	37,5	22,0	50
25	8	CI25-M8-CL	6,9	9,4	8,4	15,0	43,0	27,0	50
	10	CI25-M10-CL			10,5	18,0	45,5		50
35	8	CI35-M8-CL	8,3	11,3	8,4	16,5	45,0	28,0	50
	10	CI35-M10-CL			10,5	18,0	47,5		25
50	8	CI50-M8-CL	9,6	13,1	8,4	19,0	54,0	35,0	25
	10	CI50-M10-CL			10,5	20,0	56,0		25
	12	CI50-M12-CL			13,0	23,0	57,5		25
70	10	CI70-M10-CL	11,3	14,7	10,5	22,5	62,5	41,0	25
	12	CI70-M12-CL			13,0	23,0	63,5		25
	14	CI70-M14-CL			15,0	26,0	66,0		25
	16	CI70-M16-CL			17,0	28,0	68,5		25
95	10	CI95-M10-CL	13,5	17,5	10,5	25,0	68,0	44,0	25
	12	CI95-M12-CL			13,0	26,0	68,0		25
	14	CI95-M14-CL			15,0	26,0	70,0		25
	16	CI95-M16-CL			17,0	28,0	71,0		25
120	10	CI120-M10-CL	15,5	20,0	10,5	29,0	77,0	50,0	25
	12	CI120-M12-CL			13,0	29,0	76,5		25
	14	CI120-M14-CL			15,0	29,0	77,5		25
	16	CI120-M16-CL			17,0	29,0	79,0		25
150	12	CI150-M12-CL	16,8	21,3	13,0	31,0	78,0	51,0	10
	14	CI150-M14-CL			15,0	31,0	79,0		10
	16	CI150-M16-CL			17,0	31,0	80,0		10
	20	CI150-M20-CL			21,0	35,0	85,0		10
185	14	CI185-M14-CL	19,0	24,0	15,0	35,0	86,0	55,0	10
	16	CI185-M16-CL			17,0	35,0	88,0		10
	20	CI185-M20-CL			21,0	35,0	91,0		10
240	14	CI240-M14-CL	21,1	27,3	15,0	39,0	94,0	58,0	10
	16	CI240-M16-CL			17,0	39,0	94,5		10
	20	CI240-M20-CL			21,0	39,0	96,0		10
300	16	CI300-M16-CL	24,0	30,0	17,0	44,0	103,0	60,0	5
400	16	CI400-M16-CL	27,0	35,0	17,0	51,0	114,0	62,0	5

typically used tools: „GENERAL CATALOG TOOLS“



page: 137-141



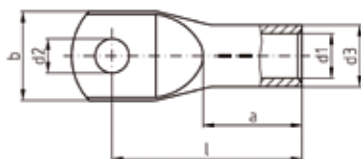
hydraulic tool selection: page: 144



! standard: I-series

crimping dies: page: 163-184

Cu - DIN 46235 standard



Cu-HCP 99,9% / Copper tinned
DIN EN 13600
option: blank (no tin): ICDxyBK

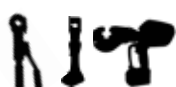
DIN 46235
(exc.: * only pipe acc. DIN, no DIN description)

mm ²	Ø mm	Art. N. (inspect. hole: no)	Reference	mm						kg (/100)	Pack	Art. N. (blank)
				d1	d3	d2	b	l	a			
6	5	ICD65	5	3,7	5,5	5,3	8,5	24	10	0,31	50	ICD65BK
	6	ICD66				6,4	9	24		0,34	50	ICD66BK
	8	ICD68*				8,4	13	26		0,35	50	ICD68BK*
10	5	ICD105	6	4,4	6	5,3	10	27	10	0,35	50	ICD105BK
	6	ICD106				6,4	10	27		0,37	50	ICD106BK
	8	ICD108*				8,4	13	28		0,38	50	ICD108BK*
	10	ICD1010*				10,5	15	29		0,38	50	ICD1010BK*
	16	ICD165*				5,3	13	36	20	1,22	50	ICD165BK*
	6	ICD166				6,4	13	36		1,27	50	ICD166BK
	8	ICD168				8,4	13	37		1,30	50	ICD168BK
	10	ICD1610				10,5	16,5	38		1,34	50	ICD1610BK
	12	ICD1612*				13	19	40		1,36	50	ICD1612BK*
25	6	ICD256	10	7	10	6,4	14	39	20	1,62	50	ICD256BK
	8	ICD258				8,4	17	39		1,76	50	ICD258BK
	10	ICD2510				10,5	17	40,5		1,80	50	ICD2510BK
	12	ICD2512				13	18	40,5		1,73	50	ICD2512BK
	16	ICD2516*				17	22	45		1,99	50	ICD2516BK*
	35	ICD356*	12	8,2	12,5	6,4	17,5	42,5	20	3,12	25	ICD356BK*
	8	ICD358				8,4	18	42		3,24	25	ICD358BK
	10	ICD3510				10,5	20	42,5		3,19	25	ICD3510BK
	12	ICD3512				13	21	44		3,17	25	ICD3512BK
	16	ICD3516*				17	28	47		3,14	25	ICD3516BK*
	50	ICD506*	14	9,8	14,5	6,4	20	52	28	4,60	25	ICD506BK*
	8	ICD508				8,4	20	52		4,95	25	ICD508BK
	10	ICD5010				10,5	22	52		4,74	25	ICD5010BK
	12	ICD5012				13	24	52		4,72	25	ICD5012BK
	14	ICD5014*				15	26	53,5		4,84	25	ICD5014BK*
	16	ICD5016				17	28	55,5		5,00	25	ICD5016BK

typically used tools: „GENERAL CATALOG TOOLS“



page: 137-141



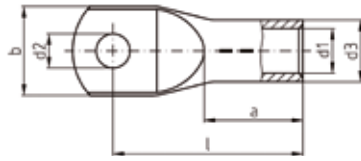
hydraulic tool selection: page: 144



! standard: DIN 46235

crimping dies: page: 163-184

Cu - DIN 46235 standard



Cu-HCP 99,9% / Copper tinned
DIN EN 13600
option: blank (no tin): ICDxyBK

DIN 46235
(exc.: * only pipe acc. DIN, no DIN description)

mm ²	Ø mm	Art. N. (inspect. hole: no)	Reference	mm						kg (/100)	Pack	Art. N. (blank)
				d1	d3	d2	b	l	a			
70	8	ICD708	16	11,3	16,5	8,4	24	56	28	6,54	25	ICD708BK
	10	ICD7010				10,5	24	56		6,54	25	ICD7010BK
	12	ICD7012				13	24	56,5		6,49	25	ICD7012BK
	14	ICD7014*				15	24	55,5		6,41	25	ICD7014BK*
	16	ICD7016				17	29	57		6,41	25	ICD7016BK
	20	ICD7020*				21	31	61		6,40	25	ICD7020BK*
95	8	ICD958*	18	13,5	19	8,4	28	65	35	9,36	25	ICD958BK*
	10	ICD9510				10,5	28	65,5		9,55	25	ICD9510BK
	12	ICD9512				13	28	65,5		9,45	25	ICD9512BK
	14	ICD9514*				15	28	65,5		9,20	25	ICD9514BK*
	16	ICD9516				17	30	65,5		9,44	25	ICD9516BK
	20	ICD9520*				21	33	71		9,86	25	ICD9520BK*
120	8	ICD1208*	20	15,5	21	8,4	31	70	35	11,35	25	ICD1208BK*
	10	ICD12010				10,5	31	70		11,40	25	ICD12010BK
	12	ICD12012				13	31	70,5		11,44	25	ICD12012BK
	14	ICD12014*				15	31	70		11,47	25	ICD12014BK*
	16	ICD12016				17	31,5	70		11,15	25	ICD12016BK
	20	ICD12020				21	36	72		11,51	25	ICD12020BK
150	8	ICD1508*	22	17	23,5	8,4	34	79	35	16,60	10	ICD1508BK*
	10	ICD15010				10,5	34	79		16,41	10	ICD15010BK
	12	ICD15012				13	34	78,5		16,97	10	ICD15012BK
	14	ICD15014*				15	34	78		15,66	10	ICD15014BK*
	16	ICD15016				17	34	78		16,35	10	ICD15016BK
	20	ICD15020				21	38	78		15,98	10	ICD15020BK
185	10	ICD18510	25	19	25,5	10,5	37	83	40	18,50	10	ICD18510BK
	12	ICD18512				13	37	82,5		18,95	10	ICD18512BK
	14	ICD18514*				15	37	82		18,96	10	ICD18514BK*
	16	ICD18516				17	37	82		18,78	10	ICD18516BK
	20	ICD18520				21	40	83		18,90	10	ICD18520BK

typically used tools: „GENERAL CATALOG TOOLS“



page: 138-141



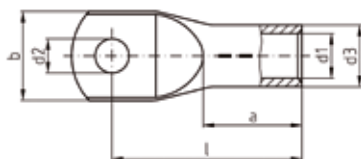
hydraulic tool selection: page: 144



! standard: DIN 46235

crimping dies: page: 163-184

Cu - DIN 46235 standard



Cu-HCP 99,9% / Copper tinned
DIN EN 13600
option: blank (no tin): ICDxyBK

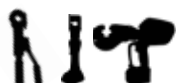
DIN 46235
(exc.: * only pipe acc. DIN, no DIN description)

mm ²	Ø mm	Art. N. (inspect. hole: no)	Reference	mm						kg (/100)	Pack	Art. N. (blank)
				d1	d3	d2	b	l	a			
240	10	ICD24010*	28	21,5	29	10,5	42	92	40	27,48	10	ICD24010BK*
	12	ICD24012				13	42,5	92		27,08	10	ICD24012BK
	14	ICD24014*				15	42,5	92		26,40	10	ICD24014BK*
	16	ICD24016				17	42,5	92		27,63	10	ICD24016BK
	20	ICD24020				21	45	92		27,06	10	ICD24020BK
300	10	ICD30010*	32	24,5	32	10,5	48,5	104	50	34,80	5	ICD30010BK*
	12	ICD30012*				13	48,5	104		33,65	5	ICD30012BK*
	14	ICD30014*				15	48,5	104		34,60	5	ICD30014BK*
	16	ICD30016				17	48,5	100		33,72	5	ICD30016BK
	20	ICD30020				21	48,5	100		34,46	5	ICD30020BK
400	10	ICD40010*	38	27,5	38,5	10,5	55	117	70	71,55	5	ICD40010BK*
	12	ICD40012*				13	55	117		71,70	5	ICD40012BK*
	14	ICD40014*				15	55	117		71,98	5	ICD40014BK*
	16	ICD40016				17	55	117		70,28	5	ICD40016BK
	20	ICD40020				21	55	117		70,60	5	ICD40020BK
500	12	ICD50012*	42	31	42	13	60	130	70	86,92	1	ICD50012BK*
	14	ICD50014*				15	60	130		89,50	1	ICD50014BK*
	16	ICD50016*				17	60	130		89,27	1	ICD50016BK*
	20	ICD50020				21	60	130		88,14	1	ICD50020BK
625	16	ICD62516	44	34,5	44	17	63	135	80	83,35	1	ICD62516BK
	20	ICD62520				21	63	135		82,05	1	ICD62520BK
800	16	ICD80016*	52	40	52	17	75	165	100	143,00	1	ICD80016BK*
	20	ICD80020				21	75	165		145,55	1	ICD80020BK
1000	20	ICD100020	58	44	58	21	83	167	100	189,00	1	ICD100020BK

typically used tools: „GENERAL CATALOG TOOLS“



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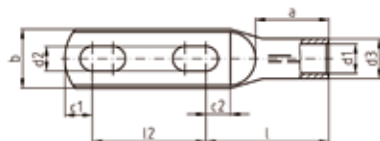
hydraulic tool selection: page: 144



! standard: DIN 46235

crimping dies: page: 163-184

Cu - 1 cable 2 screws



Cu-HCP 99,9% / Copper tinned
DIN EN 13600

DIN 46235
(only pipe acc. DIN, no DIN description)

mm ²	Ø mm	Art. N. (inspect. hole: no)	mm									kg (/100)	Pack
			d1	d3	d2	b	l	l2	a	c1	c2		
70	2 x 12	ICD7012DL	11,3	16,5	13	24	61,5	38-60	28	14,5	14,5	10,88	5
95	2 x 12	ICD9512DL	13,5	19	13	28	63	38-60	35	14,5	15	14,30	5
120	2 x 12	ICD12012DL	15,5	21	13	31	65	38-60	35	14,5	13	16,76	5

typically used tools: „GENERAL CATALOG TOOLS“



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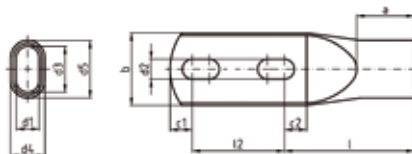
hydraulic tool selection: page: 144



! standard: DIN

crimping dies: page: 163-184

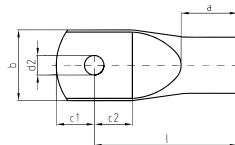
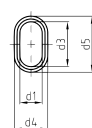
Cu - 2 cables 2 screws



Cu-HCP 99,9% / Copper tinned
DIN EN 13600

mm ²	Ø mm	Art. N. (inspect. hole: no)	mm											kg (/100)	Pack
			d1	d3	d4	d5	d2	b	l	l2	a	c1	c2		
2 x 70	2 x 12	ICD7012DDL	11,5	23,3	18	29,8	13	37	71,5	38-60	28	14,5	14,5	26,00	5
2 x 95	2 x 12	ICD9512DDL	14	26,1	22	33,6	13	42	81,5	38-60	35	14,5	14,5	41,00	5
2 x 120	2 x 12	ICD12012DDL	14,9	29,8	22,4	37,3	13	47	84,5	38-60	35	14,5	14,5	47,00	5

Cu - 2 cables 1 screw



Cu-HCP 99,9% / Copper tinned
DIN EN 13600

mm²	Ø mm	Art. N. (inspect. hole: no)	mm										kg (/100)	Pack
			d1	d3	d4	d5	d2	b	l	a	c1	c2		
2 x 70	1 x 12	ICD7012D	11,5	23,3	18	29,8	13	37	71,5	28	14,5	14,5	17,75	5
2 x 95	1 x 12	ICD9512D	14	26,1	22	33,6	13	42	81,5	35	14,5	14,5	26,30	5
2 x 120	1 x 12	ICD12012D	14,9	29,8	22,4	37,3	13	47	84,5	35	14,5	14,5	30,30	5

typically used tools: „GENERAL CATALOG TOOLS“



series 60-2, 130, 230: page: 144

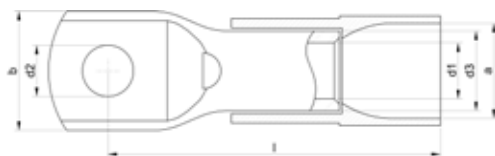


! type: TWIN

crimping dies: page: 174, 178, 182



Cu - Intercable IT standard / insulated

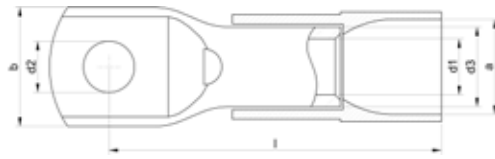


Cu-HCP 99,9% / Copper tinned
DIN EN 13600

PA 6.6 / Polyamide insulation
Black

mm ²	Ø mm	Art. N. (inspect. hole: yes)	d1	d3	d2	b	l	a	Pack
10	4	CIP10-M4	4,3	6,7	4,3	10,0	32,5	10,0	50
	5	CIP10-M5			5,3	10,0	33,5		50
	6	CIP10-M6			6,4	11,0	35,5		50
	8	CIP10-M8			8,4	15,0	38,0		50
	10	CIP10-M10			10,5	18,0	40,5		50
	12	CIP10-M12			13,0	19,0	41,5		50
16	5	CIP16-M5	5,4	7,8	5,3	12,0	36,5	11,0	50
	6	CIP16-M6			6,4	12,0	38,5		50
	8	CIP16-M8			8,4	15,0	40,5		50
	10	CIP16-M10			10,5	18,0	43,0		50
	12	CIP16-M12			13,0	20,0	44,0		50
25	5	CIP25-M5	6,9	9,4	5,3	14,0	39,5	13,0	50
	6	CIP25-M6			6,4	14,0	41,5		50
	8	CIP25-M8			8,4	15,0	43,5		50
	10	CIP25-M10			10,5	18,0	46,0		50
	12	CIP25-M12			13,0	20,0	47,0		50
	14	CIP25-M14			15,0	22,0	49,0		50
35	5	CIP35-M5	8,3	11,3	5,3	16,5	49,5	16,0	25
	6	CIP35-M6			6,4	16,5	49,5		25
	8	CIP35-M8			8,4	16,5	50,0		25
	10	CIP35-M10			10,5	18,0	52,5		25
	12	CIP35-M12			13,0	20,0	53,5		25
	14	CIP35-M14			15,0	22,0	56,0		25
	16	CIP35-M16			17,0	26,0	58,5		25
50	6	CIP50-M6	9,6	13,1	6,4	19,0	53,0	18,0	25
	8	CIP50-M8			8,4	19,0	54,0		25
	10	CIP50-M10			10,5	20,0	56,0		25
	12	CIP50-M12			13,0	23,0	57,5		25
	14	CIP50-M14			15,0	25,0	59,5		25
	16	CIP50-M16			17,0	27,0	62,5		25
	20	CIP50-M20			21,0	28,0	67,0		25
70	6	CIP70-M6	11,3	14,7	6,4	22,5	63,0	21,0	25
	8	CIP70-M8			8,4	22,5	63,0		25
	10	CIP70-M10			10,5	22,5	64,5		25
	12	CIP70-M12			13,0	23,0	65,5		25
	14	CIP70-M14			15,0	26,0	68,0		25
	16	CIP70-M16			17,0	28,0	70,5		25

Cu - Intercable IT standard / insulated



Cu-HCP 99,9% / Copper tinned
DIN EN 13600

PA 6.6 / Poliamide insulation
Black

mm ²	Ø mm	Art. N. (inspect. hole: yes)	d1	d3	d2	b	l	a	Pack
95	6	CIP95-M6	13,5	17,5	6,4	25,0	69,0	23,0	25
	8	CIP95-M8			8,4	25,0	68,5		25
	10	CIP95-M10			10,5	25,0	70,0		25
	12	CIP95-M12			13,0	26,0	70,0		25
	14	CIP95-M14			15,0	26,0	72,0		25
	16	CIP95-M16			17,0	28,0	73,0		25
	20	CIP95-M20			21,0	31,0	77,5		25
120	8	CIP120-M8	15,5	20,0	8,4	29,0	72,5	26,0	25
	10	CIP120-M10			10,5	29,0	75,0		25
	12	CIP120-M12			13,0	29,0	74,5		25
	14	CIP120-M14			15,0	29,0	75,5		25
	16	CIP120-M16			17,0	29,0	77,0		25
	20	CIP120-M20			21,0	35,0	82,0		25
150	8	CIP150-M8	16,8	21,3	8,4	31,0	80,5	29,0	10
	10	CIP150-M10			10,5	31,0	81,5		10
	12	CIP150-M12			13,0	31,0	81,0		10
	14	CIP150-M14			15,0	31,0	82,0		10
	16	CIP150-M16			17,0	31,0	83,0		10
	20	CIP150-M20			21,0	35,0	88,0		10

typically used tools: „GENERAL CATALOG TOOLS“



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hydraulic tool selection: page: 144

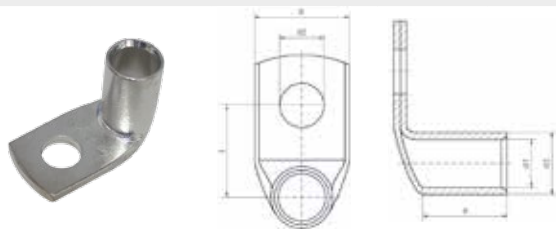


for INSULATED

crimping dies: page: 163-184



Cu - Intercable IT standard / 90°

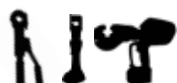


Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	Ø mm	Art. N. (inspect. hole: no)	d1	d3	d2	b	l	a	Pack
0,5 - 0,75	3	ICS075390	1,4	3,0	3,2	6,5	7,5	5,0	100
	4	ICS075490			4,3	8,5	8,5		100
	5	ICS075590			5,3	10,0	9,5		100
1,0 - 1,5	3	ICS1390	1,9	3,9	3,2	6,5	8,0	5,0	100
	4	ICS1490			4,3	8,5	9,0		100
	5	ICS1590			5,3	10,0	10,0		100
	6	ICS1690			6,4	11,0	12,0		100
2,5	4	ICS2490	2,4	4,4	4,3	8,5	9,2	5,5	100
	5	ICS2590			5,3	10,0	10,2		100
	6	ICS2690			6,4	11,0	12,2		100
	8	ICS2890			8,4	14,0	14,2		100
4	4	ICS4490	3,0	5,0	4,3	8,5	9,5	7,0	100
	5	ICS4590			5,3	10,0	10,5		100
	6	ICS4690			6,4	11,0	12,5		100
	8	ICS4890			8,4	14,0	14,5		100
6	4	ICS6490	3,7	5,5	4,3	8,5	9,8	7,0	100
	5	ICS6590			5,3	10,0	10,8		100
	6	ICS6690			6,4	11,0	12,8		100
	8	ICS6890			8,4	14,0	14,8		100
10	5	CI10-M5-90	4,3	6,7	5,3	10,0	11,5	9,0	25
	6	CI10-M6-90			6,4	11,0	13,5		25
	8	CI10-M8-90			8,4	15,0	15,5		25
	10	CI10-M10-90			10,5	18,0	17,5		25
	12	CI10-M12-90			13,0	20,0	18,5		25
16	5	CI16-M5-90	5,4	7,8	5,3	11,0	12,0	10,0	25
	6	CI16-M6-90			6,4	11,5	14,0		25
	8	CI16-M8-90			8,4	15,0	16,0		25
	10	CI16-M10-90			10,5	18,0	18,0		25
	12	CI16-M12-90			13,0	20,0	19,0		25
25	5	CI25-M5-90	6,9	9,4	5,3	14,0	13,0	12,0	25
	6	CI25-M6-90			6,4	14,0	15,5		25
	8	CI25-M8-90			8,4	15,0	16,5		25
	10	CI25-M10-90			10,5	18,0	18,5		25
	12	CI25-M12-90			13,0	20,0	19,5		25
35	6	CI35-M6-90	8,3	11,3	6,4	16,5	16,0	15,0	25
	8	CI35-M8-90			8,4	16,5	18,0		25
	10	CI35-M10-90			10,5	18,0	20,0		25
	12	CI35-M12-90			13,0	20,0	21,0		25

typically used tools: „GENERAL CATALOG TOOLS“

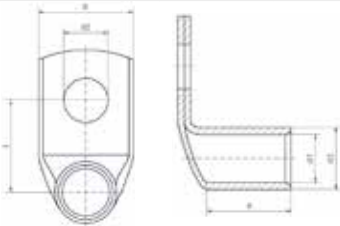


! standard: I-series

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hydraulic tool selection: page: 144

crimping dies: page: 163-184

Cu - Intercable IT standard / 90°									
				Cu-HCP 99,9% / Copper tinned DIN EN 13600					
									
mm ²	Ø mm	Art. N. (inspect. hole: no)	d1	d3	d2	b	l	a	Pack
50	6	CI50-M6-90	9,6	13,1	6,4	19,0	17,0	17,0	25
	8	CI50-M8-90			8,4	19,0	19,0		25
	10	CI50-M10-90			10,5	20,0	21,0		25
	12	CI50-M12-90			13,0	23,0	23,5		25
	16	CI50-M16-90			17,0	27,0	25,0		25
70	8	CI70-M8-90	11,3	14,7	8,4	22,5	20,0	20,0	25
	10	CI70-M10-90			10,5	22,5	22,0		25
	12	CI70-M12-90			13,0	23,0	23,0		25
	14	CI70-M14-90			15,0	26,0	26,0		25
	16	CI70-M16-90			17,0	28,0	30,0		25
95	8	CI95-M8-90	13,5	17,5	8,4	25,0	21,5	22,0	25
	10	CI95-M10-90			10,5	25,0	23,5		25
	12	CI95-M12-90			13,0	25,0	24,5		25
	16	CI95-M14-90			17,0	28,0	27,5		25
	20	CI95-M20-90			21,0	31,0	31,5		25
120	8	CI120-M8-90	15,5	20,0	8,4	29,0	22,5	25,0	25
	10	CI120-M10-90			10,5	29,0	25,0		25
	12	CI120-M12-90			13,0	29,0	26,0		25
150	16	CI120-M16-90	16,8	21,3	17,0	29,0	28,5		25
	8	CI150-M8-90			8,4	31,0	25,5	28,0	10
	10	CI150-M10-90			10,5	31,0	25,5		10
	12	CI150-M12-90			13,0	31,0	26,5		10
	16	CI150-M16-90			17,0	31,0	29,5		10
185	20	CI150-M20-90			21,0	35,0	33,5		10
	10	CI185-M10-90	19,0	24,0	10,5	35,0	27,0	29,0	10
	12	CI185-M12-90			13,0	35,0	28,0		10
	16	CI185-M16-90			17,0	35,0	31,0		10
	20	CI185-M20-90			21,0	35,0	35,0		10
240	10	CI240-M10-90	21,1	27,3	10,5	38,0	28,0	34,0	10
	12	CI240-M12-90			13,0	38,0	29,0		10
	16	CI240-M16-90			17,0	38,0	32,0		10
	20	CI240-M20-90			21,0	38,0	36,0		10

typically used tools: „GENERAL CATALOG TOOLS“



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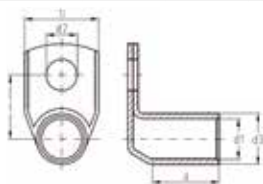
hydraulic tool selection: page: 144



! standard: I-series

crimping dies: page: 163-184

Cu - Intercable D standard / 90° „R-series“



Cu-HCP 99,9% / Copper tinned
 DIN EN 13600



mm ²	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
			d1	d3	d2	b	l	a		
6	4	ICR6490	3,5	6,5	4,3	10	10,3	8	0,60	25
	5	ICR6590			5,3	11	11,3		0,62	25
	6	ICR6690			6,4	11	13,3		0,62	25
	8	ICR6890			8,4	15	15,3		0,64	25
	10	ICR61090			10,5	18	17,3		0,68	25
	12	ICR61290			13	20	18,3		0,66	25
10	5	ICR10590	4,5	7	5,3	12	11,5	9	0,54	25
	6	ICR10690			6,4	12	12,5		0,59	25
	8	ICR10890			8,4	15	15,5		0,67	25
	10	ICR101090			10,5	18	17,5		0,70	25
	12	ICR101290			13	20	18,5		0,70	25
16	5	ICR16590	5,5	8,5	5,3	12	13	12	1,07	25
	6	ICR16690			6,4	12	14,3		1,15	25
	8	ICR16890			8,4	15	16,3		1,20	25
	10	ICR161090			10,5	18	18,3		1,23	25
	12	ICR161290			13	20	19,3		1,23	25
25	6	ICR25690	7	10	6,4	15	15,5	14	1,48	25
	8	ICR25890			8,4	16	17,5		1,43	25
	10	ICR251090			10,5	18	19,5		1,68	25
	12	ICR251290			13	20	20,5		1,62	25
	14	ICR251490			15	22	22,5		2,07	25
35	6	ICR35690	8,5	12	6,4	17	16,5	16	2,10	25
	8	ICR35890			8,4	17	18,5		2,31	25
	10	ICR351090			10,5	20	20,5		2,39	25
	12	ICR351290			13	22	21,5		2,37	25
	14	ICR351490			15	23	23,5		2,48	25
50	16	ICR351690			17	28	24,5		2,48	25
	6	ICR50690	10	14	6,4	20	17,5	18	3,00	25
	8	ICR50890			8,4	20	19,5		3,22	25
	10	ICR501090			10,5	20	21,5		3,32	25
	12	ICR501290			13	23	22,5		3,28	25
	14	ICR501490			15	23	24,5		3,37	25
	16	ICR501690			17	27	28,5		3,77	25
	20	ICR502090			21	30	32,5		4,27	25

typically used tools: „GENERAL CATALOG TOOLS“



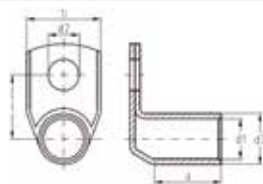
! standard: R-series

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hydraulic tool selection: page: 144

crimping dies: page: 163-184

Cu - Intercable D standard / 90° „R-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
			d1	d3	d2	b	l	a		
70	6	ICR70690	12	16,5	6,4	24	18,8	20	4,41	25
	8	ICR70890			8,4	24	20,8		4,47	25
	10	ICR701090			10,5	24	22,8		5,00	25
	12	ICR701290			13	24	23,8		4,87	25
	14	ICR701490			15	25	25,8		4,84	25
	16	ICR701690			17	28	26,8		5,11	25
	20	ICR702090			21	29	30,8		5,26	25
95	8	ICR95890	13,5	18	8,4	26	21,5	22	5,33	25
	10	ICR951090			10,5	26	23,5		5,59	25
	12	ICR951290			13	26	24,5		5,58	25
	14	ICR951490			15	26	26,5		5,95	25
	16	ICR951690			17	28	27,5		6,00	25
120	8	ICR120890	15	20	8,4	29	22,5	25	7,88	25
	10	ICR1201090			10,5	29	24,5		8,19	25
	12	ICR1201290			13	29	25,5		8,27	25
	16	ICR1201690			17	30	28,5		8,52	25
150	8	ICR150890	16,8	21,3	8,4	31	25,7	28	8,03	10
	10	ICR1501090			10,5	31	25,7		8,07	10
	12	ICR1501290			13	31	26,7		8,29	10
	16	ICR1501690			17	31	29,7		8,50	10
	20	ICR1502090			21	35	33,7		8,89	10
185	10	ICR1851090	19	24	10,5	35	27	29	11,41	10
	12	ICR1851290			13	35	28		12,21	10
	16	ICR1851690			17	35	31		12,69	10
	20	ICR1852090			21	35	35		12,70	10
240	10	ICR2401090	21	26	10,5	38	28	34	13,34	10
	12	ICR2401290			13	38	29		13,93	10
	16	ICR2401690			17	38	32		14,72	10
	20	ICR2402090			21	38	36		14,54	10
300	12	ICR3001290	24	30	43	43	31	41	19,72	5
	16	ICR3001690			17	43	34		19,70	5
	20	ICR3002090			21	43	38		21,81	5

typically used tools: „GENERAL CATALOG TOOLS“



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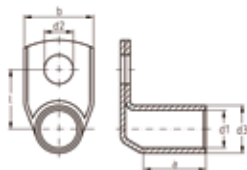
hydraulic tool selection: page: 144



! standard: R-series

crimping dies: page: 163-184

Cu - Intercable D standard / 90° / for flexible cable class 5/6 „F-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	cable min. Ø mm	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
				d1	d3	d2	b	l	a		
10	4,0	5	ICF10590	5	8	5,3	12	12	11	0,86	25
		6	ICF10690			6,4	13	14		0,87	25
		8	ICF10890			8,4	15	16		0,94	25
		10	ICF101090			10,5	18	18		0,97	25
		12	ICF101290			13	20	19		0,98	25
16	5,0	5	ICF16590	6	9	5,3	15	12,5	12	0,94	25
		6	ICF16690			6,4	15	14,5		1,05	25
		8	ICF16890			8,4	15	16,5		1,18	25
		10	ICF161090			10,5	18	18,5		1,25	25
		12	ICF161290			13	20	19,5		1,43	25
25	6,5	6	ICF25690	7,7	10,7	6,4	16	15,9	15	1,55	25
		8	ICF25890			8,4	16	17,9		1,53	25
		10	ICF251090			10,5	18	19,9		1,89	25
		12	ICF251290			13	20	20,9		1,69	25
35	7,8	6	ICF35690	9,2	12,4	6,4	18	16,7	17	1,97	25
		8	ICF35890			8,4	18	18,7		2,20	25
		10	ICF351090			10,5	18,5	20,7		2,34	25
		12	ICF351290			13	23	21,7		2,23	25
		16	ICF351690			17	28	24,7		2,25	25
50	9,0	6	ICF50690	11,2	14,8	6,4	22	17,9	20	2,90	25
		8	ICF50890			8,4	22	19,9		3,15	25
		10	ICF501090			10,5	22	21,9		3,30	25
		12	ICF501290			13	23	22,9		3,36	25
		16	ICF501690			17	28	25,9		3,57	25
70	11,0	8	ICF70890	13,5	17,5	8,4	25	21,3	22	4,53	50
		10	ICF701090			10,5	25	23,3		4,85	50
		12	ICF701290			13	25	24,3		5,07	50
		16	ICF701690			17	28	27,3		5,10	50
		20	ICF702090			21	31	31,3		5,40	50

typically used tools: „GENERAL CATALOG TOOLS“



page: 137-141



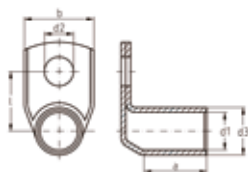
hydraulic tool selection: page: 144



! standard: F-series

crimping dies: page: 163-184

Cu - Intercable D standard / 90° / for flexible cable class 5/6 „F-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm²	cable min. Ø mm	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
				d1	d3	d2	b	l	a		
95	13,0	10	ICF951090	15,5	20	10,5	29	25	25	7,50	25
		12	ICF951290			13	29	26		7,22	25
		16	ICF951690			17	29	28,5		7,50	25
		20	ICF952090			21	35	32,5		7,70	25
120	15,0	10	ICF1201090	16,8	21,3	10,5	31	25,7	28	7,86	25
		12	ICF1201290			13	31	26,7		8,02	25
		16	ICF1201690			17	31	29,7		8,33	25
		20	ICF1202090			21	35	33,7		8,61	25
150	16,3	10	ICF1501090	19	24	10,5	35	27	29	10,06	10
		12	ICF1501290			13	35	28		10,70	10
		16	ICF1501690			17	35	31		11,04	10
		20	ICF1502090			21	35	35		11,96	10
185	18,5	12	ICF1851290	21	26	13	38	29	34	12,69	10
		16	ICF1851690			17	38	32		13,46	10
		20	ICF1852090			21	38	36		14,02	10
240	20,5	12	ICF2401290	24	30	13	43	31	41	19,72	10
		16	ICF2401690			17	43	34		19,70	10
		20	ICF2402090			21	43	38		21,81	10

typically used tools: „GENERAL CATALOG TOOLS“



page: 138-141



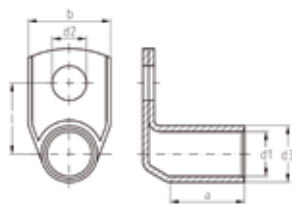
hydraulic tool selection: page: 144



! standard: F-series

crimping dies: page: 163-184

Cu - DIN 46235 standard / 90°



Cu-HCP 99,9% / Copper tinned
DIN EN 13600
option: blank (no tin): ICDxy90BK

DIN 46235
(pipe)

mm ²	Ø mm	Art. N. (inspect. hole: no)	Reference	mm						kg (/100)	Pack	Art. N. (blank)
				d1	d3	d2	b	l	a			
10	6	ICD10690	6	4,4	6	6,4	10	13	10	0,35	25	ICD10690BK
	8	ICD10890				8,4	13	15		0,50	25	ICD10890BK
16	6	ICD16690	8	5,5	8,5	6,4	13	14,3	20	1,27	25	ICD16690BK
	8	ICD16890				8,4	13	16,3		1,30	25	ICD16890BK
	10	ICD161090				10,5	16,5	18,3		1,41	25	ICD161090BK
	12	ICD161290				13	19	19,3		1,38	25	ICD161290BK
25	6	ICD25690	10	7	10	6,4	15	15,5	20	1,68	25	ICD25690BK
	8	ICD25890				8,4	16	17,5		1,76	25	ICD25890BK
	10	ICD251090				10,5	16	19,5		1,84	25	ICD251090BK
	12	ICD251290				13	19	20,5		1,72	25	ICD251290BK
35	6	ICD35690	12	8,2	12,5	6,4	17	16,8	20	2,74	25	ICD35690BK
	8	ICD35890				8,4	17	18,8		3,04	25	ICD35890BK
	10	ICD351090				10,5	19	20,8		3,12	25	ICD351090BK
	12	ICD351290				13	21	21,8		3,26	25	ICD351290BK
50	8	ICD50890	14	9,8	14,5	8,4	20	19,8	28	4,68	25	ICD50890BK
	10	ICD501090				10,5	22	21,8		4,88	25	ICD501090BK
	12	ICD501290				13	24	22,8		5,17	25	ICD501290BK
	16	ICD501690				17	27	25,8		4,95	25	ICD501690BK
70	8	ICD70890	16	11,3	16,5	8,4	24	20,8	28	5,93	25	ICD70890BK
	10	ICD701090				10,5	24	22,8		6,55	25	ICD701090BK
	12	ICD701290				13	24	23,8		6,56	25	ICD701290BK
	16	ICD701690				17	29	26,8		6,31	25	ICD701690BK
95	8	ICD95890	18	13,5	19	8,4	28	22	35	8,50	25	ICD95890BK
	10	ICD951090				10,5	28	24		9,37	25	ICD951090BK
	12	ICD951290				13	28	25		9,49	25	ICD951290BK
	16	ICD951690				17	32	28		9,67	25	ICD951690BK
120	10	ICD1201090	20	15,5	21	10,5	32	25,5	35	12,09	25	ICD1201090BK
	12	ICD1201290				13	32	26,5		11,21	25	ICD1201290BK
	16	ICD1201690				17	32	29,5		11,98	25	ICD1201690BK
	20	ICD1202090				21	38	33,5		12,39	25	ICD1202090BK

typically used tools: „GENERAL CATALOG TOOLS“



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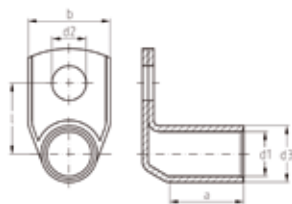
hydraulic tool selection: page: 144



! standard: DIN 46235

crimping dies: page: 163-184

Cu - DIN 46235 standard / 90°



Cu-HCP 99,9% / Copper tinned
DIN EN 13600
option: blank (no tin): ICDxy90BK

DIN 46235
(pipe)

mm ²	Ø mm	Art. N. (inspect. hole: no)	Reference	mm						kg (/100)	Pack	Art. N. (blank)
				d1	d3	d2	b	l	a			
150	8	ICD150890	22	17	23,5	8,4	34	26,8	35	12,66	10	ICD150890BK
	10	ICD1501090				10,5	34	26,8		14,08	10	ICD1501090BK
	12	ICD1501290				13	34	27,8		14,30	10	ICD1501290BK
	16	ICD1501690				17	34	30,8		14,32	10	ICD1501690BK
	20	ICD1502090				21	34	34,8		15,18	10	ICD1502090BK
185	8	ICD185890	25	19	25,5	8,4	37	25,8	40	15,70	10	ICD185890BK
	10	ICD1851090				10,5	37	27,8		16,83	10	ICD1851090BK
	12	ICD1851290				13	37	28,8		17,45	10	ICD1851290BK
	16	ICD1851690				17	37	31,8		17,18	10	ICD1851690BK
	20	ICD1852090				21	40	35,8		20,20	10	ICD1852090BK
240	12	ICD2401290	28	21,5	29	13	42	30,5	40	22,61	10	ICD2401290BK
	16	ICD2401690				17	42	33,5		24,46	10	ICD2401690BK
	20	ICD2402090				21	42	37,5		25,59	10	ICD2402090BK
300	12	ICD3001290	32	24,5	32	13	48,5	32	50	29,08	5	ICD3001290BK
	16	ICD3001690				17	48,5	35		30,92	5	ICD3001690BK
	20	ICD3002090				21	48,5	39		38,60	5	ICD3002090BK

typically used tools: „GENERAL CATALOG TOOLS“



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hydraulic tool selection: page: 144



! standard: DIN 46235

crimping dies: page: 163-184



Cu - Intercable IT standard / 45°



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	Ø mm	Art. N. (inspect. hole: no)	d1	d3	d2	b	a	Pack
10	5	CI10-M5-45	4,3	6,7	5,3	10,0	9,0	25
	6	CI10-M6-45			6,4	11,0		25
	8	CI10-M8-45			8,4	15,0		25
16	6	CI16-M6-45	5,4	7,8	6,4	11,5	10,0	25
	8	CI16-M8-45			8,4	15,0		25
	10	CI16-M10-45			10,5	18,0		25
25	5	CI25-M5-45	6,9	9,4	5,3	14,0	12,0	25
	6	CI25-M6-45			6,4	14,0		25
	8	CI25-M8-45			8,4	15,0		25
	10	CI25-M10-45			10,5	18,0		25
	12	CI25-M12-45			13,0	20,0		25
35	6	CI35-M6-45	8,3	11,3	6,4	16,5	15,0	25
	8	CI35-M8-45			8,4	16,5		25
	10	CI35-M10-45			10,5	18,0		25
	12	CI35-M12-45			13,0	20,0		25
50	6	CI50-M6-45	9,6	13,1	6,4	19,0	17,0	25
	8	CI50-M8-45			8,4	19,0		25
	10	CI50-M10-45			10,5	20,0		25
	12	CI50-M12-45			13,0	23,0		25
70	6	CI70-M6-45	11,3	14,7	6,4	22,5	20,0	25
	8	CI70-M8-45			8,4	22,5		25
	10	CI70-M10-45			10,5	22,5		25
	12	CI70-M12-45			13,0	23,0		25
95	8	CI95-M8-45	13,5	17,5	8,4	25,0	22,0	25
	10	CI95-M10-45			10,5	25,0		25
	12	CI95-M12-45			13,0	25,0		25
120	8	CI120-M8-45	15,5	20,0	8,4	29,0	25,0	25
	10	CI120-M10-45			10,5	29,0		25
	12	CI120-M12-45			13,0	29,0		25
	16	CI120-M16-45			17,0	29,0		25
150	8	CI150-M8-45	16,8	21,3	8,4	31,0	28,0	10
	10	CI150-M10-45			10,5	31,0		10
	12	CI150-M12-45			13,0	31,0		10
	16	CI150-M16-45			17,0	31,0		10
185	10	CI185-M10-45	19,0	24,0	10,5	35,0	29,0	10
	12	CI185-M12-45			13,0	35,0		10
	16	CI185-M16-45			17,0	35,0		10
	20	CI185-M20-45			21,0	35,0		10
240	12	CI240-M12-45	21,1	27,3	13,0	39,0	34,0	10
	14	CI240-M14-45			15,0	39,0		10
	16	CI240-M16-45			17,0	39,0		10
	20	CI240-M20-45			21,0	39,0		10

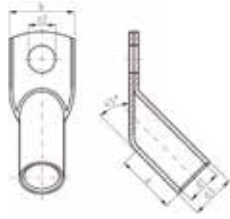
typically used tools: „GENERAL CATALOG TOOLS“





 page: 137-141 hydraulic tool selection: page: 144 crimping dies: page: 163-184 I standard: I-series

Cu - Intercable D standard / 45° „R-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	Ø mm	Art. N. (inspect. hole: no)	mm					kg (/100)	Pack
			d1	d3	d2	b	a		
10	5	ICR10545	4,5	7	5,3	12	9	0,55	25
	6	ICR10645			6,4	12		0,58	25
	8	ICR10845			8,4	15		0,65	25
16	5	ICR16545	5,5	8,5	5,3	12	12	0,95	25
	6	ICR16645			6,4	12		1,02	25
	8	ICR16845			8,4	15		1,20	25
25	10	ICR161045			10,5	18		1,17	25
	6	ICR25645	7	10	6,4	15	14	1,55	25
	8	ICR25845			8,4	16		1,51	25
	10	ICR251045			10,5	18		2,05	25
35	12	ICR251245			13	20		1,70	25
	6	ICR35645	8,5	12	6,4	17	16	2,17	25
	8	ICR35845			8,4	17		2,23	25
	10	ICR351045			10,5	20		2,34	25
50	12	ICR351245			13	22		2,40	25
	8	ICR50845	10	14	8,4	20	18	3,34	25
	10	ICR501045			10,5	20		3,65	25
70	12	ICR501245			13	23		3,65	25
	8	ICR70845	12	16,5	8,4	24	20	4,90	25
	10	ICR701045			10,5	24		5,23	25
95	12	ICR701245			13	24		5,17	25
	8	ICR95845	13,5	18	8,4	26	22	8,00	25
	10	ICR951045			10,5	26		6,20	25
120	12	ICR951245			13	26		6,20	25
	8	ICR120845	15	20	8,4	29	25	7,80	25
	10	ICR1201045			10,5	29		8,36	25
	12	ICR1201245			13	29		8,68	25
150	16	ICR1201645			17	30		8,85	25
	8	ICR150845*	16,8	21,3	8,4	31	28	10,20	10
	10	ICR1501045			10,5	31		9,87	10
	12	ICR1501245			13	31		9,68	10
185	16	ICR1501645			17	31		10,12	10
	10	ICR1851045	19	24	10,5	35	29	12,90	10
	12	ICR1851245			13	35		12,29	10
	16	ICR1851645			17	35		11,96	10
240	20	ICR1852045			21	35		14,58	10
	12	ICR2401245	21	26	13	38		15,58	10
	16	ICR2401645			17	38		16,51	10
	20	ICR2402045			21	38		17,04	10

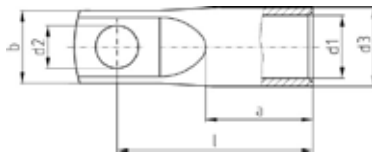
typically used tools: „GENERAL CATALOG TOOLS“



! standard: R-series



Cu - Intercable IT standard / NARROW



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	Ø mm	Art. N. (inspect. hole: yes)	d1	d3	d2	b	l	a	Pack
35	6	CI35-M6-PR	8,3	11,3	6,4	15,0	32,5	16,0	25
50	6	CI50-M6-PR	9,6	13,1	6,4	15,0	36,0	18,0	25
	10	CI50-M10-PR			10,5	18,5	39,0		25
70	6	CI70-M6-PR	11,3	14,7	6,4	17,0	41,0	21,0	25
	10	CI70-M10-PR			10,5	19,0	42,5		25
95	8	CI95-M8-PR	13,5	17,5	8,4	19,0	48,0	23,0	25
	10	CI95-M10-PR			10,5	19,0	50,0		25
120	8	CI120-M8-PR	15,5	20,0	8,4	19,0	51,0	26,0	25
	10	CI120-M10-PR			10,5	19,0	53,5		25
150	8	CI150-M8-PR	16,8	21,3	8,4	19,0	55,0	29,0	10
	10	CI150-M10-PR			10,5	19,0	57,0		10
185	12	CI185-M12-PR	19,0	24,0	13,0	31,0	59,5	30,0	10
240	12	CI240-M12-PR	21,1	27,3	13,0	31,5	69,0	35,0	10

typically used tools: „GENERAL CATALOG TOOLS“



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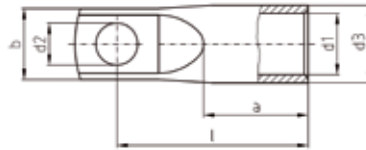
hydraulic tool selection: page: 144



! standard: I-series

crimping dies: page: 163-184

Cu - Intercable D standard / NARROW „R-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
			d1	d3	d2	b	l	a		
35	6	ICR356S	8,5	12	6,4	15	33	17	1,80	25
	8	ICR358S*			8,4	15	33	17	2,16	25
50	6	ICR506S	10	14	6,4	15	37	19	2,73	25
	8	ICR508S			8,4	17	39		2,83	25
	10	ICR5010S			10,5	17	41		2,99	25
70	6	ICR706S	11,8	16,5	6,4	17	41	21	4,06	25
	8	ICR708S			8,4	17	43		4,30	25
	10	ICR7010S			10,5	17	45		4,40	25
	12	ICR7012S			13	19	46		4,48	25
95	6	ICR956S	13,5	18	6,4	19	43	23	4,67	25
	8	ICR958S			8,4	19	45		4,90	25
	10	ICR9510S			10,5	19	47		5,10	25
	12	ICR9512S			13	19	48		5,20	25
120	6	ICR1206S	14,7	20	6,4	20	48	26	6,43	25
	8	ICR1208S			8,4	20	49		6,73	25
	10	ICR12010S			10,5	20	51		6,70	25
	12	ICR12012S			13	20	52		7,34	25
150	6	ICR1506S	16,3	21,3	6,4	19	53	29	7,11	10
	8	ICR1508S			8,4	19	51		7,11	10
	10	ICR15010S			10,5	19	53		7,34	10
	12	ICR15012S			13	22	59		7,63	10
185	10	ICR18510S	18,7	24	10,5	26	60	30	10,47	10
	12	ICR18512S			13	26	59,5		10,36	10
	16	ICR18516S			17	26	64		11,14	10
240	10	ICR24010S	21	26	10,5	30	65	35	11,96	10
	12	ICR24012S			13	30	65		12,19	10
	16	ICR24016S			17	30	68		12,26	10
300	10	ICR30010S	23,5	30	10,5	30	76	42	19,66	5
	12	ICR30012S			13	30	79		20,08	5
	16	ICR30016S			17	30	81		20,60	5

typically used tools: „GENERAL CATALOG TOOLS“



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hydraulic tool selection: page: 144

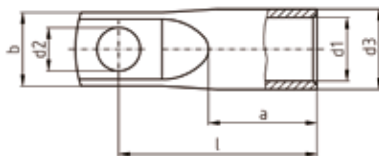


! standard: R-series

crimping dies: page: 163-184



Cu - Intercable D standard / NARROW, for flexible cable class 5/6 „F-series“

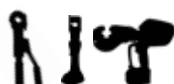


Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	cable min. Ø mm	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
				d1	d3	d2	b	l	a		
35	7,8	6	ICF356S	9,2	12,4	6,4	15	35	18	1,77	25
50	9,0	6	ICF506S	11	14,8	6,4	15	38,5	21	2,70	25
		8	ICF508S			8,4	17	41		3,20	25
		10	ICF5010S			10,5	19	45,5		3,30	25
70	11,0	6	ICF706S	13,4	17,5	6,4	18	45,5	23	4,32	25
		8	ICF708S			8,4	18	46		4,50	25
		10	ICF7010S			10,5	19	48		4,55	25
		12	ICF7012S			13	22	49		4,73	25
95	13,0	6	ICF956S	14,9	20	6,4	19	47,5	26	5,94	25
		8	ICF958S			8,4	19	48,5		6,25	25
		10	ICF9510S			10,5	19	51,5		6,49	25
		12	ICF9512S			13	22	54		6,42	25
120	15,0	6	ICF1206S	16,3	21,3	6,4	19	53	29	7,11	25
		8	ICF1208S			8,4	19	51		7,11	25
		10	ICF12010S			10,5	19	53		7,34	25
		12	ICF12012S			13	22	59		7,63	25
150	16,3	6	ICF1506S	18,7	24	6,4	26	56	30	8,58	10
		8	ICF1508S			9,4	26	58		9,18	10
		10	ICF15010S			10,5	26	60		10,32	10
		12	ICF15012S			13	26	59,5		10,18	10
		16	ICF15016S			17	26	62,5		10,50	10
185	18,5	10	ICF18510S	21	26	10,5	30	65	35	11,72	10
		12	ICF18512S			13	30	64		11,27	10
		16	ICF18516S			17	30	68		11,76	10
240	20,5	10	ICF24010S	23,5	30	10,5	30	76	42	19,67	10
		12	ICF24012S			13	30	79		20,08	10
		16	ICF24016S			17	30	81		20,60	10

typically used tools: „GENERAL CATALOG TOOLS“



! standard: F-series

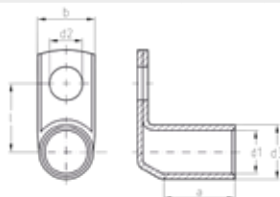
page: 137-141

hydraulic tool selection: page: 144

crimping dies: page: 163-184



Cu - Intercable D standard / 90°, NARROW, for flexible cable class 5/6 „F-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	cable min. Ø mm	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
				d1	d3	d2	b	l	a		
35	7,8	6	ICF35690S	9,2	12,4	6,4	15	16,7	17	1,80	25
50	9,0	6	ICF50690S	11,0	14,8	6,4	15	17,9	20	2,60	25
		8	ICF50890S			8,4	17	19,9		2,90	25
		10	ICF501090S			10,5	19	21,9		3,00	25
70	11,0	6	ICF70690S	13,4	17,5	6,4	18	20	22	4,30	25
		8	ICF70890S			8,4	18	22		4,50	25
		10	ICF701090S			10,5	19	24		4,80	25
		12	ICF701290S			13	22	27		4,80	25
95	13,0	6	ICF95690S	14,9	20	6,4	19	21	25	6,40	25
		8	ICF95890S			8,4	19	23		6,70	25
		10	ICF951090S			10,5	19	25		7,00	25
		12	ICF951290S			13	22	26		6,79	25
120	15,0	6	ICF120690S	16,3	21,3	6,4	19	21,7	28	7,30	25
		8	ICF120890S			8,4	19	23,7		7,70	25
		10	ICF1201090S			10,5	19	25,7		7,90	25
		12	ICF1201290S			13	22	26,7		8,90	25
150	16,3	6	ICF150690S	18,7	24	6,4	26	23	29	9,20	10
		8	ICF150890S			8,4	26	25		9,80	10
		10	ICF1501090S			10,5	26	27		9,96	10
		12	ICF1501290S			13	26	28		10,20	10
		16	ICF1501690S			17	26	31		10,50	10
185	18,5	10	ICF1851090S	21	26	10,5	30	28	34	11,90	10
		12	ICF1851290S			13	30	29		11,90	10
		16	ICF1851690S			17	30	32		12,30	10
240	20,5	10	ICF2401090S	23,5	30	10,5	30	30	41	18,60	10
		12	ICF2401290S			13	30	31		18,70	10
		16	ICF2401690S			17	30	34		19,20	10

typically used tools: „GENERAL CATALOG TOOLS“



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hydraulic tool selection: page: 144

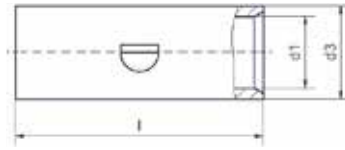


! standard: F-series

crimping dies: page: 163-184



Cu - Intercable IT standard



Cu-HCP 99,9% / Copper tinned
DIN EN 13600

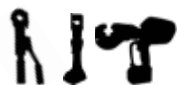


mm ²	Art. N.	d1	d3	l	Pack
1,0-1,5	CTT-1.5	1,9	3,9	15,0	50
2,5	CTT-2.5	2,4	4,4	16,0	50
4	CTT-4	3,0	5,0	19,0	50
6	CTT-6	3,7	5,5	19,0	50
10	CTT-10	4,3	6,7	25,0	50
16	CTT-16	5,4	7,8	27,0	50
25	CTT-25	6,9	9,4	29,0	50
35	CTT-35	8,3	11,3	33,0	25
50	CTT-50	9,6	13,1	37,0	25
70	CTT-70	11,3	14,7	39,0	25
95	CTT-95	13,5	17,5	43,0	25
120	CTT-120	15,5	20,0	47,0	25
150	CTT-150	16,8	21,3	58,0	10
185	CTT-185	19,0	24,0	64,0	10
240	CTT-240	21,1	27,3	75,0	10
300	CTT-300	24,0	30,0	90,0	5
400	CTT-400	27,0	35,0	94,0	5
500	CTT-500	31,0	38,0	98,0	5
630	CTT-630	34,0	41,0	105,0	5

typically used tools: „GENERAL CATALOG TOOLS“



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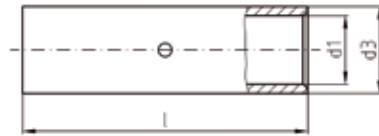
hydraulic tool selection: page: 144



! standard: I-series

crimping dies: page: 163-184

Cu - Intercable D standard „R-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	Art. N.	mm			kg (/100)	Pack
		d1	d3	l		
0,5-0,75	ICR075V	1,4	3	15	0,08	50
1,0-1,5	ICR1V	1,9	3,9	15	0,12	50
2,5	ICR2V	2,4	4,4	16	0,15	50
4	ICR4V	3	5	19	0,21	50
6	ICR6V	3,5	6,5	25	0,52	50
10	ICR10V	4,5	7	30	0,50	50
16	ICR16V	5,5	8,5	35	1,00	50
25	ICR25V	7	10	40	1,41	50
35	ICR35V	8,5	12	45	2,17	25
50	ICR50V	10	14	50	3,32	25
70	ICR70V	12	16,5	55	4,91	25
95	ICR95V	13,5	18	60	6,09	25
120	ICR120V	15	20	65	7,88	25
150	ICR150V	16,8	21,3	70	8,68	10
185	ICR185V	19	24	75	11,63	10
240	ICR240V	21	26	85	14,79	10
300	ICR300V	24	30	100	22,40	5
400	ICR400V	27,5	33,5	100	26,17	5

typically used tools: „GENERAL CATALOG TOOLS“



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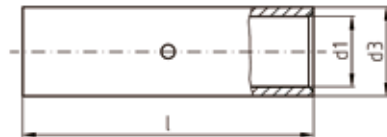
hydraulic tool selection: page: 144



! standard: R-series

crimping dies: page: 163-184

Cu - Intercable D standard / for flexible cables class 5/6 „F-series“



Cu-HCP 99,9% / Copper tinned
 DIN EN 13600



mm ²	cable min. Ø mm	Art. N.	mm			kg (/100)	Pack
			d1	d3	l		
10	4,0	ICF10V	5	8	30	0,83	25
16	5,0	ICF16V	6	9	35	1,11	25
25	6,5	ICF25V	7,7	10,7	40	1,50	25
35	7,8	ICF35V	9,2	12,4	45	2,19	25
50	9,0	ICF50V	11,2	14,8	50	3,24	25
70	11,0	ICF70V	13,5	17,5	60	5,10	25
95	13,0	ICF95V	15,5	20	65	7,49	25
120	15,0	ICF120V	16,8	21,3	65	8,44	25
150	16,3	ICF150V	19	24	70	10,56	25
185	18,5	ICF185V	21	26	85	14,01	25
240	20,5	ICF240V	24	30	100	22,73	25

typically used tools: „GENERAL CATALOG TOOLS“



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hydraulic tool selection: page: 144



! standard: F-series

crimping dies: page: 163-184

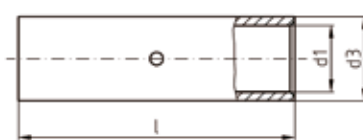
Cu - DIN 46341 p. 1 standard, form A



Cu-HCP 99,9% / Copper tinned

mm ²	Art. N.	mm			kg (/100)	Pack
		d1	d3	l		
0,5-1	ICQ1PV	7	1,6	3,3	0,04	100
1,5-2,5	ICQ2PV	7	2,3	4	0,05	100
4-6	ICQ6PV	7	3,6	5,7	0,09	100
10	ICQ10PV	9	4,6	6,8	0,15	100
16	ICQ16PV	10	5,9	8,3	0,23	100
25	ICQ25PV	12,5	7,7	10,7	0,45	100
35	ICQ35PV	14	9,2	12,4	0,65	100
50	ICQ50PV	17,5	11,2	14,8	1,13	100
70	ICQ70PV	18	13,5	17,5	1,59	100
95	ICQ95PV	19	15	20	2,34	50
120	ICQ120PV	21	16,7	22,7	3,53	50
150	ICQ150PV	25	19	25,5	5,02	50

Cu - DIN 46341 p. 1 standard, form B



Cu-HCP 99,9% / Copper tinned

mm ²	Art. N.	mm			kg (/100)	Pack
		d1	d3	l		
0,5-1	ICQ1PVL	15	1,6	3,3	0,09	100
1,5-2,5	ICQ2PVL	15	2,3	4	0,11	100
4-6	ICQ6PVL	15	3,6	5,7	0,18	100
10	ICQ10PVL	20	4,6	6,8	0,36	100
16	ICQ16PVL	26	5,9	8,3	0,61	100
25	ICQ25PVL	29	7,7	10,7	1,13	100
35	ICQ35PVL	32	9,2	12,4	1,55	50
50	ICQ50PVL	38	11,2	14,8	2,44	50
70	ICQ70PVL	42	13,5	17,5	3,73	50
95	ICQ95PVL	48	15	20	6,08	50
120	ICQ120PVL	52	16,7	22,7	8,67	50
150	ICQ150PVL	56	19	25,5	11,25	25

typically used tools: „GENERAL CATALOG TOOLS“



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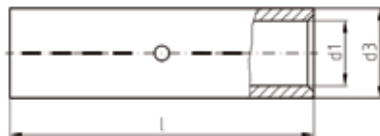
hydraulic tool selection: page: 144



! standard: DIN 46341

crimping dies: page: 163-184

Cu - DIN 46267 p. 1 standard

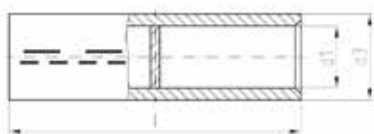


Cu-HCP 99,9% / Copper tinned
DIN EN 13600
option: blank (no tin): ICDxyBK

DIN 46267 p. 1

mm ²	Art. N.	Reference	mm			kg (/100)	Pack	Art. N. (blank)
			d1	d3	l			
6	ICD6V	5	3,7	5,5	30	0,35	50	ICD6VBK
10	ICD10V	6	4,4	6	30	0,35	50	ICD10VBK
16	ICD16V	8	5,5	8,5	50	1,53	50	ICD16VBK
25	ICD25V	10	7	10	50	1,86	50	ICD25VBK
35	ICD35V	12	8,2	12,5	50	3,23	25	ICD35VBK
50	ICD50V	14	9,8	14,5	56	4,52	25	ICD50VBK
70	ICD70V	16	11,3	16,5	56	5,64	25	ICD70VBK
95	ICD95V	18	13,5	19	70	8,98	25	ICD95VBK
120	ICD120V	20	15,5	21	70	10,33	25	ICD120VBK
150	ICD150V	22	17	23,5	80	15,03	10	ICD150VBK
185	ICD185V	25	19	25,5	85	16,78	10	ICD185VBK
240	ICD240V	28	21,5	29	90	23,20	10	ICD240VBK
300	ICD300V	32	24,5	32	100	30,37	5	ICD300VBK
400	ICD400V	38	27,5	38,5	150	76,70	5	ICD400VBK
500	ICD500V	42	31	42	160	88,25	1	ICD500VBK
625	ICD625V	44	34,5	44	160	82,50	1	ICD625VBK
800	ICD800V	52	40	52	200	152,00	1	ICD800VBK
1000	ICD1000V	58	44	58	200	197,00	1	ICD1000VBK

Cu - pipe: DIN 46267 p. 1 standard / closed middle



Cu-HCP 99,9% / Copper tinned
DIN EN 13600
option: blank (no tin): ICDxyBK

DIN 46267 p. 1
(pipe)

mm ²	Art. N.	Reference	mm			kg (/100)	Pack	Art. N. (blank)
			d1	d3	l			
35	ICD35VL	12	8,2	12,5	50	3,43	10	ICD35VLBK
50	ICD50VL	14	9,8	14,5	56	4,63	10	ICD50VLBK
70	ICD70VL	16	11,3	16,5	56	5,94	10	ICD70VLBK
95	ICD95VL	18	13,5	19	70	9,28	10	ICD95VLBK
120	ICD120VL	20	15,5	21	70	10,93	10	ICD120VLBK
150	ICD150VL	22	17	23,5	80	15,73	5	ICD150VLBK
185	ICD185VL	25	19	25,5	85	17,10	5	ICD185VLBK
240	ICD240VL	28	21,5	29	90	25,34	5	ICD240VLBK

typically used tools: „GENERAL CATALOG TOOLS“



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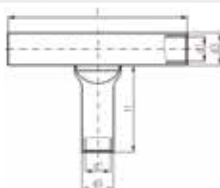
hydraulic tool selection: page: 144



! standard: DIN 46267

crimping dies: page: 163-184

Cu - Intercable D standard / „T“ „R-series“

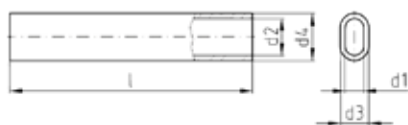


Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	Art. N.	mm				kg (/100)	Pack
		d1	d3	l	l1		
1,0-1,5	ICR1T	1,9	3,9	30	16	0,36	25
2,5	ICR2T	2,4	4,4	30	16	0,45	25
4	ICR4T	3	5	35	16,5	0,57	25
6	ICR6T	3,5	6,5	35	17	1,08	25
10	ICR10T	4,5	7	45	25	1,40	25
16	ICR16T	5,5	8,5	50	26	2,30	25
25	ICR25T	7	10	50	27	2,40	25
35	ICR35T	8,5	12	60	31	4,50	10
50	ICR50T	10	14	72	35	7,20	10
70	ICR70T	12	16,5	77	37	10,35	10
95	ICR95T	13,5	18	88	45	12,70	10
120	ICR120T	15	20	106	53	17,80	10
150	ICR150T	16,8	21,3	120	58	23,45	5
185	ICR185T	19	24	110	42	30,52	5
240	ICR240T	21	26	135	55	33,94	5
300	ICR300T	24	30	140	55	47,70	5

Cu - Intercable D standard / Oval „R-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600



mm ²	Art. N.	mm					kg (/100)	Pack
		d1	d2	d3	d4	l		
0,5	ICR05OV	1,0	2,0	2,0	3,0	25	0,08	100
1,5	ICR15OV	1,6	3,2	2,6	4,2	25	0,11	100
2,5	ICR20V	2,1	4,2	3,1	5,2	25	0,14	100
4	ICR40V	2,5	5,0	3,5	6,0	25	0,16	100
6	ICR60V	3,0	6,0	5,0	8,0	40	0,65	100
10	ICR100V	3,9	7,6	5,9	9,6	50	0,96	50

typically used tools: „GENERAL CATALOG TOOLS“



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hydraulic tool selection: page: 144



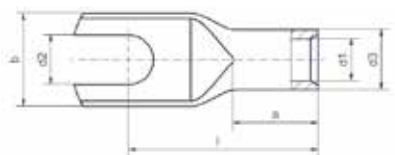
! standard: R-series

crimping dies: page: 163-184



TUBULAR CABLE LUGS & CONNECTORS

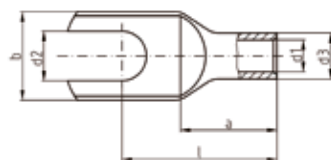
Cu - Intercable IT standard



Cu-HCP 99,9% / Copper tinned
DIN EN 13600

mm ²	Ø mm	Art. N. (inspect. hole: no)	d1	d3	d2	b	l	a	Pack
10	5	CI10-M5-FR	4,3	6,7	5,3	10,0	20,5	10,0	50
	6	CI10-M6-FR			6,4	11,0	22,5		50
16	5	CI16-M5-FR	5,4	7,8	5,3	12,0	22,5	11,0	50
	6	CI16-M6-FR			6,4	12,0	24,5		50

Cu - Intercable D standard „R-series“



Cu-HCP 99,9% / Copper tinned
DIN EN 13600

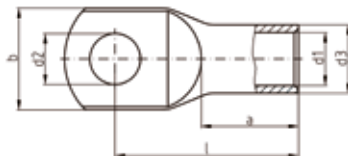
mm ²	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
			d1	d3	d2	b	l	a		
0,5-0,75	3	ICR0753G	1,4	3	3,2	6,5	12,5	6	0,07	50
	4	ICR0754G			4,3	8,5	14		0,07	50
	5	ICR0755G			5,3	10	15		0,08	50
1,0-1,5	3	ICR13G	1,9	3,9	3,2	6,5	13,5	6	0,11	50
	4	ICR14G			4,3	8,5	15		0,12	50
	5	ICR15G			5,3	10	16		0,13	50
2,5	6	ICR16G			6,4	11	18		0,14	50
	4	ICR24G	2,4	4,4	4,3	8,5	15	6,5	0,15	50
	5	ICR25G			5,3	10	16		0,16	50
4	6	ICR26G			6,4	11	18		0,17	50
	8	ICR28G			8,4	13	20		0,20	50
	4	ICR44G	3	5	4,3	8,5	17	8	0,19	50
6	5	ICR45G			5,3	10	18		0,21	50
	6	ICR46G			6,4	11	20		0,22	50
	8	ICR48G			8,4	14	22		0,24	50

typically used tools: „GENERAL CATALOG TOOLS“



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Ni



Ni (pure nickel)
T 500°C

mm ²	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
			d1	d3	d2	b	l	a		
0,5-1	3	ICNI13	1,6	3,2	3,2	6,5	12,5	6	0,08	25
	4	ICNI14			4,3	6,5	13,5		0,09	25
	5	ICNI15			5,3	7,5	14,5		0,09	25
1,5-2,5	4	ICNI24	2,3	3,9	4,3	7	14	6	0,12	25
	5	ICNI25			5,3	8,5	15,5		0,13	25
	6	ICNI26			6,4	9,5	17		0,14	25
4-6	4	ICNI64	3,6	5,6	4,3	9,4	18	8	0,26	25
	5	ICNI65			5,3	10	18,5		0,28	25
	6	ICNI66			6,4	10,5	19,5		0,29	25
10	8	ICNI68			8,4	12,5	23,5		0,32	25
	5	ICNI105	4,5	6,5	5,3	10,8	20,5	10	0,34	25
	6	ICNI106			6,4	11,5	22,5		0,37	25
16	8	ICNI108			8,4	13,3	25		0,42	25
	5	ICNI165	5,5	7,5	5,3	12,8	22,5	11	0,44	25
	6	ICNI166			6,4	13,6	24,5		0,48	25
	8	ICNI168			8,4	15,7	26,5		0,54	25

typically used tools: „GENERAL CATALOG TOOLS“



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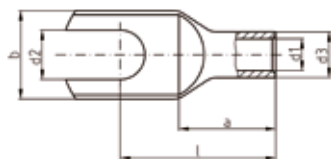


hydraulic tool selection: page: 144



! standard: DIN 46341
DIN 46234
crimping dies: page: 163-184

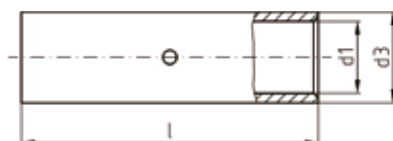
Ni



Ni (pure nickel)
T 500°C

mm ²	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
			d1	d3	d2	b	l	a		
0,5-1	4	ICNI14G	1,6	3,2	4,3	6,5	13,5	6	0,07	25
	5	ICNI15G			5,3	7,5	14,5		0,08	25
1,5-2,5	4	ICNI24G	2,3	3,9	4,3	7	14	6	0,10	25
	5	ICNI25G			5,3	8,5	15,5		0,11	25
	6	ICNI26G			6,4	9,5	17		0,12	25
4-6	4	ICNI64G	3,6	5,6	4,3	9,4	18	8	0,24	25
	5	ICNI65G			5,3	10	18,5		0,25	25
	6	ICNI66G			6,4	10,5	19,5		0,25	25
	8	ICNI68G			8,4	13	23,5		0,40	25
10	5	ICNI105G	4,5	6,5	5,3	10,8	20,5	10	0,34	25
	6	ICNI106G			6,4	11,5	22,5		0,37	25
	8	ICNI108G			8,4	13,3	25		0,41	25
16	5	ICNI165G	5,5	7,5	5,3	12,8	22,5	11	0,44	25
	6	ICNI166G			6,4	13,6	24,5		0,48	25
	8	ICNI168G			8,4	15,7	26,5		0,53	25

Ni



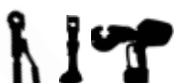
Ni (pure nickel)
T 500°C

mm ²	Art. N.	mm			kg (/100)	Pack
		d1	d3	l		
0,5-1	ICNI1V	1,6	3,2	15	0,09	25
1,5-2,5	ICNI2V	2,3	3,9	15	0,11	25
4-6	ICNI6V	3,6	5,6	15	0,20	25
10	ICNI10V	4,5	6,5	25	0,38	25
16	ICNI16V	5,5	7,5	30	0,54	25

typically used tools: „GENERAL CATALOG TOOLS“



page: 137-141



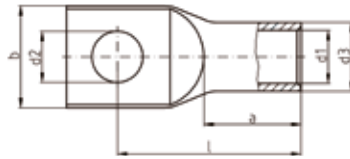
hydraulic tool selection: page: 144



! standard: DIN 46341
DIN 46234

crimping dies: page: 163-184

Stainless Steel



Stainless Steel
V4A
T 400°C
oxidation-safe, food-safe, acid-safe

mm ²	Ø mm	Art. N. (inspect. hole: no)	mm						kg (/100)	Pack
			d1	d3	d2	b	l	a		
1,5-2,5	4	ICVA24	3	5	4,3	9	22,5	8	0,27	25
	5	ICVA25			5,3	9	21,5		0,26	25
	6	ICVA26			6,4	10	20		0,25	25
4-6	4	ICVA64	4	6	4,3	9	23,5	9	0,33	25
	5	ICVA65			5,3	9	22,5		0,34	25
	6	ICVA66			6,4	10	21		0,33	25
10	5	ICVA105	5	8	5,3	12	29	10	0,81	25
	6	ICVA106			6,4	12	27,5		0,80	25
	8	ICVA108			8,4	13	25		0,84	25
16	5	ICVA165	6	8	5,3	12	33	13	0,64	25
	6	ICVA166			6,4	12	31,5		0,72	25
	8	ICVA168			8,4	13	31		0,64	25
25	6	ICVA256	7	10	6,4	14	33,5	15	1,26	25
	8	ICVA258			8,4	16	31		1,25	25
35	6	ICVA356	9	12	6,4	18	39,5	17	1,86	10
	8	ICVA358			8,4	18	37		1,81	10
	10	ICVA3510			10,5	20	36		1,79	10
50	8	ICVA508	10	14	8,4	21	43	19	3,16	10
	10	ICVA5010			10,5	21	42		3,07	10
	12	ICVA5012			13	23	40		2,95	10
70	8	ICVA708	12	16	8,4	24	53	21	4,46	10
	10	ICVA7010			10,5	24	52		4,37	10
	12	ICVA7012			13	24	50		4,24	10
95	16	ICVA7016			17	28	47		4,17	10
	8	ICVA958	14	18	8,4	26	58	25	5,60	10
	10	ICVA9510			10,5	26	57		5,50	10
	12	ICVA9512			13	26	55		5,36	10
	16	ICVA9516			17	28	52		5,19	10

typically used tools: „GENERAL CATALOG TOOLS“



page: 137-141



hydraulic tool selection: page: 144



! standard: DIN 46341
DIN 46234
crimping dies: page: 163-184

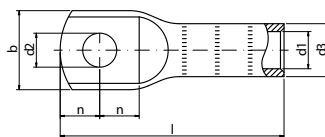


Cu

Medium Voltage

TUBULAR CABLE LUGS & CONNECTORS

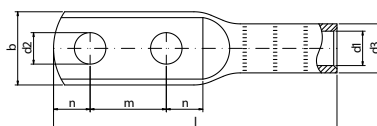
Cu - Medium Voltage Line



Cu-DLP 99,9% / Copper tinned

mm ²	Ø mm	Art. N. (inspect. hole: no)	mm						Pack
			d1	d3	d2	b	n	l	
25	12	CM25M12	7	11	13	20	14	68	50
35	12	CM35M12	8,3	13,8	13	22	14	68	50
50 RC	12	CM50M12	8,7	13,8	13	22	14	71	50
50 S	12	CM50SM12	9,5	14	13	22	14	71	50
70	12	CM70M12	11,5	18	13	26	14	71	25
95 RC	12	CM95M12	12	20	13	30	18	83	25
120÷95 S	12	CM120M12	13,5	20	13	30	18	83	25
150 RC÷120 S÷125 C	12	CM150M12	15	23	13	31	18	86	10
185 RC÷185 S	14	CM185M14	17	23	15	33	18	88	10
240 RC÷185 S	14	CM240M14	19	28	15	38	18	95	10
300 RC÷300 S	14	CM300M14	21,5	30	15	42	18	103	10
300S	14	CM300SM14	24	35	15	48	20	105	5
400 RC	14	CM400M14	27	35	15	51	23	146	5
500 RC	16	CM500M16	30	39	17	56	23	156	5
630 RC	16	CM630M16	34	44	17	62	23	170	5

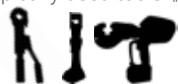
Cu - Medium Voltage Line / double



Cu-DLP 99,9% / Copper tinned

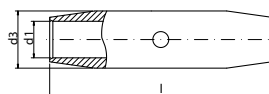
mm²	Ø mm	Art. N. (inspect. hole: no)	mm							Pack
			d1	d3	d2	b	m	n	l	
25	12	CM25M12DF	7	11	13	20	44,5	14	113	50
35	12	CM35M12DF	8,3	13,8	13	21	44,5	14	113	50
50 RC	12	CM50M12DF	8,7	13,8	13	21	44,5	14	116	50
50 S	12	CM50SM12DF	9,5	14	13	21	44,5	14	116	50
70	12	CM70M12DF	11,5	18	13	26	44,5	14	116	25
95 RC	12	CM95M12DF	12	20	13	27,5	44,5	18	128	25
120÷95 S	12	CM120M12DF	13,5	20	13	28	44,5	18	130	25
150 RC÷120 S÷125 C	12	CM150M12DF	15	23	13	31	44,5	18	133	25
185 RC÷185 S	14	CM185M14DF	17	23	15	33	44,5	18	133	10
240 RC÷185 S	14	CM240M14DF	19	28	15	38	44,5	18	135	10
300 RC÷300 S	14	CM300M14DF	21,5	30	15	42	44,5	18	145	5
300S	14	CM300SM14DF	24	35	15	48	44,5	20	149	5
400 RC	14	CM400M14DF	27	35	15	51	44,5	23	190	5
500 RC	14	CM500M14DF	30	39	15	56	44,5	23	246	5

typically used tools: „GENERAL CATALOG TOOLS“



! type:
MV CABLE LUGS

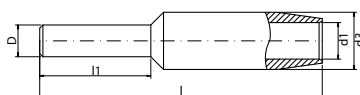
Cu connector - Medium Voltage Line



Cu-DLP 99,9% / Copper tinned

mm ²	Art. N.	mm			Pack
		d1	d3	l	
25	GM25	7	11	60	50
35	GM35	8,3	13,8	60	50
50 RC	GM50	8,7	13,8	60	50
50 S	GM50S	9,5	14	60	50
70	GM70	11,5	18	70	25
95 RC	GM95	12	20	80	25
120÷95 S	GM120	13,5	20	80	10
150 RC÷120 S÷125 C	GM150	15	23	80	10
185 RC÷185 S	GM185	17	23	80	10
240 RC÷185 S	GM240	19	28	100	10
300 RC÷300 S	GM300	21,5	30	100	5
300S	GM300S	24	35	100	5
400 RC	GM400	27	35	100	5
500 RC	GM500	30	39	100	5
630 RC	GM630	34	44	130	5

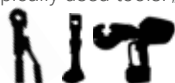
Cu - Medium Voltage Line



Cu-DLP 99,9%

mm ²	Art. N.	mm					Pack
		d1	d3	l1	D	l	
25	CM25P8	7	11	30	8	75	25
35	CM35P8	8,3	13,8	35	8	80	25
50 RC	CM50P8	8,7	13,8	35	8	80	25
50 S	CM50SP8	9,5	14	35	8	80	25
70	CM70P12	11,5	18	35	12	85	25
95 RC	CM95P12	12	20	35	12	95	10
120÷95 S	CM120P12	13,5	20	45	12	105	10
150 RC÷120 S÷125 C	CM150P16	15	23	45	16	110	10
185 RC÷185 S	CM185P16	17	23	45	16	110	10
240 RC÷185 S	CM240P16	19	28	50	16	115	10
300 RC÷300 S	CM300P18	21,5	30	50	18	115	5
300S	CM300SP20	24	35	60	20	130	5

typically used tools: „GENERAL CATALOG TOOLS“



hydraulic tool selection: page: 144



! type:
MV CABLE LUGS

crimping dies: page: 163-184

RC: Rounded Compact Stranded Cable, S: Sectorial Stranded Conductor, C: Sectorial Solid (1 single) Conductor

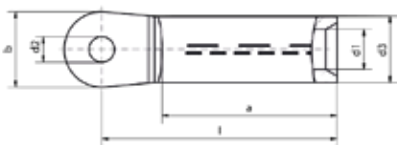


Al / Al-Cu

Low - Medium Voltage

TUBULAR CABLE LUGS & CONNECTORS

Al - DIN 46329



Al 99,5%
filled with contact grease / closed
with oil stop
for Al conductors according to DIN EN 60228
and Al ropes according to DIN EN 50182

DIN 46329

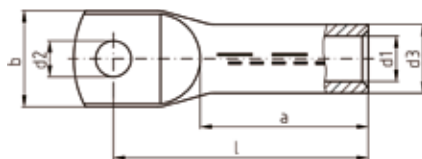
mm ²		Ø mm	Art. N. (blank)	Art. N. (tinned)	Reference	mm						kg (/100)	Pack
RC/S*	C**					d1	d3	d2	b	l	a		
16	25	8	ICAL168LD	ICAL168LDV	12	5,8	12	8,4	20	53	30	1,34	10
		10	ICAL1610LD	ICAL1610LDV				10,5				1,30	10
25	35	8	ICAL258LD	ICAL258LDV	12	6,8	12	8,4	25	53	30	1,40	10
		10	ICAL2510LD	ICAL2510LDV				10,5				1,36	10
		12	ICAL2512LD	ICAL2512LDV				13				1,31	10
35	50	8	ICAL358LD	ICAL358LDV	14	8	14	8,4	25	65	42	2,03	10
		10	ICAL3510LD	ICAL3510LDV				10,5				1,99	10
		12	ICAL3512LD	ICAL3512LDV				13				1,94	10
50	70	8	ICAL508LD	ICAL508LDV	16	9,8	16	8,4	25	65	42	2,59	10
		10	ICAL5010LD	ICAL5010LDV				10,5				2,55	10
		12	ICAL5012LD	ICAL5012LDV				13				2,48	10
70	95	8	ICAL708LD	ICAL708LDV	18	11,2	18	8,4	25	75	52	3,68	10
		10	ICAL7010LD	ICAL7010LDV				10,5				3,63	10
		12	ICAL7012LD	ICAL7012LDV				13				3,56	10
95	120	8	ICAL958LD	ICAL958LDV	22	13,2	22	8,4	25	81	56	5,81	10
		10	ICAL9510LD	ICAL9510LDV				10,5				5,75	10
		12	ICAL9512LD	ICAL9512LDV				13				5,66	10
120	150	10	ICAL12010LD	ICAL12010LDV	22	14,7	23	10,5	30	86	56	6,89	10
		12	ICAL12012LD	ICAL12012LDV				13				6,79	10
		16	ICAL12016LD	ICAL12016LDV				17				5,46	10
150	185	10	ICAL15010LD	ICAL15010LDV	25	16,3	25	10,5	30	90	60	8,74	5
		12	ICAL15012LD	ICAL15012LDV				13				8,62	5
		16	ICAL15016LD	ICAL15016LDV				17				8,39	5
		20	ICAL15020LD	ICAL15020LDV				21				8,09	5
185	240	10	ICAL18510LD	ICAL18510LDV	28	18,3	28,5	10,5	30	91	60	11,00	5
		12	ICAL18512LD	ICAL18512LDV				13				10,89	5
		16	ICAL18516LD	ICAL18516LDV				17				10,48	5
		20	ICAL18520LD	ICAL18520LDV				21				10,18	5
240	300	10	ICAL24010LD	ICAL24010LDV	32	21	32	10,5	38	106	70	16,24	5
		12	ICAL24012LD	ICAL24012LDV				13				16,08	5
		16	ICAL24016LD	ICAL24016LDV				17				15,76	5
		20	ICAL24020LD	ICAL24020LDV				21				15,35	5
300	-	12	ICAL30012LD	ICAL30012LDV	34	23,3	34	13	38	106	70	17,76	1
		16	ICAL30016LD	ICAL30016LDV				17				17,38	1
		20	ICAL30020LD	ICAL30020LDV				21				16,90	1
400	-	12	ICAL40012LD	ICAL40012LDV	38	26	38,5	13	38	116	73	25,98	1
		16	ICAL40016LD	ICAL40016LDV				17				25,57	1
		20	ICAL40020LD	ICAL40020LDV				21				25,05	1
500	-	12	ICAL50012LD	ICAL50012LDV	44	29	44	13	44	122	79	36,04	1
		16	ICAL50016LD	ICAL50016LDV				17				35,60	1
		20	ICAL50020LD	ICAL50020LDV				21				35,04	1

* RC: Rounded Compact Stranded Cable, S: Sectorial Stranded Conductor, ** C: Sectorial Solid (1 single) Conductor

typically used tools: „GENERAL CATALOG TOOLS“



! standard: DIN 46239



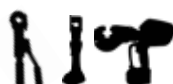
Al 99,5%
filled with contact grease / closed
with oil stop
for Al conductors according to DIN EN 60228 and Al
ropes according to DIN EN 50182

pipe: DIN 46329

mm ²		Ø mm	Art. N. (blank)	Reference	mm						kg (/100)	Pack
RC/S*	C**				d1	d3	d2	b	l	a		
16	25	8	ICAL168	12	5,6	12	8,4	16	52	26	0,94	10
		10	ICAL1610				10,5	18	52		1,01	10
25	35	8	ICAL258	12	7	12	8,4	16	60	34	1,48	10
		10	ICAL2510				10,5	18	60		1,53	10
35	50	8	ICAL358	14	8	14	8,4	20	67	40	2,45	10
		10	ICAL3510				10,5	20	67		2,45	10
		12	ICAL3512				13	20	67		2,35	10
50	70	8	ICAL508	16	10	16	8,4	23	74	42	3,29	10
		10	ICAL5010				10,5	23	74		3,29	10
		12	ICAL5012				13	23	74		3,34	10
70	95	10	ICAL7010	18	11,5	18,5	10,5	28	84	50	4,77	10
		12	ICAL7012				13	28	87		4,73	10
95	120	10	ICAL9510	22	13,4	22	10,5	32	90	55	7,85	10
		12	ICAL9512				13	32	90		7,73	10
		16	ICAL9516				17	32	90		7,96	10
120	150	10	ICAL12010	22	15	23	10,5	32	98	60	8,38	10
		12	ICAL12012				13	32	98		7,91	10
		16	ICAL12016				17	32	98		8,41	10
150	185	10	ICAL15010	25	16,5	25	10,5	35	104	64	10,00	5
		12	ICAL15012				13	35	104		10,03	5
		16	ICAL15016				17	35	104		10,09	5
		20	ICAL15020				21	35	104		10,02	5
185	240	10	ICAL18510	28	18,5	28,5	10,5	40	109	66	13,10	5
		12	ICAL18512				13	40	109		13,39	5
		16	ICAL18516				17	40	109		13,75	5
		20	ICAL18520				21	40	109		13,76	5
240	300	10	ICAL24010	32	21,3	32	10,5	46	119	70	16,04	5
		12	ICAL24012				13	46	119		16,44	5
		16	ICAL24016				17	46	119		17,62	5
		20	ICAL24020				21	46	119		17,90	5
300	-	12	ICAL30012	34	23,3	34	13	50	125	70	18,00	1
		16	ICAL30016				17	50	125		22,10	1
		20	ICAL30020				21	50	125		19,43	1
400	-	12	ICAL40012	38	26	38,5	13	55	120	70	24,40	1
		16	ICAL40016				17	55	120		24,40	1
		20	ICAL40020				21	55	120		24,00	1
500	-	12	ICAL50012	44	29	44	13	63	140	80	38,00	1
		16	ICAL50016				17	63	140		35,50	1
		20	ICAL50020				21	63	140		35,05	1

* RC: Rounded Compact Stranded Cable, S: Sectorial Stranded Conductor, ** C: Sectorial Solid (1 single) Conductor

typically used tools: „GENERAL CATALOG TOOLS“



! standard: DIN 46239

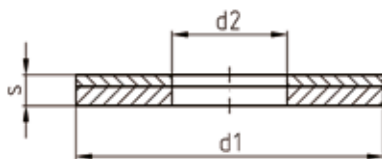


Al / Al-Cu

Low - Medium Voltage

TUBULAR CABLE LUGS & CONNECTORS

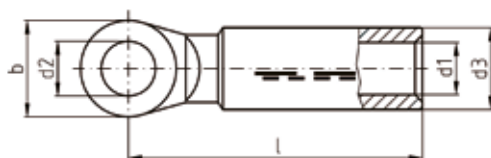
Al-Cu



E / Al
Aluminium sheet plated with copper

Ø mm	Art. N.	mm			kg (/100)	kg (/100) Cu	Pack	for cable lugs max mm²
		d1	d2	s				
6	ICALCU6CS	16	6,5	1	0,08	0,04	25	120
8	ICALCU8CS	18	8,5	1	0,10	0,04	25	120
10	ICALCU10CS	23	10,5	1	0,15	0,08	25	240
10	ICALCU10CS2	26	11	1	0,20	0,10	25	300
12	ICALCU12CS2	26	13	2	0,28	0,16	25	240
12	ICALCU12CS	30	13	2	0,52	0,24	25	400
12	ICALCU12CS3	46	13	2	1,03	0,46	25	500
16	ICALCU16CS	35	17	2	0,63	0,31	25	500
16	ICALCU16CS2	46	17	2	0,96	0,43	25	630
20	ICALCU20CS	37	21	2	0,60	0,30	25	500
20	ICALCU20CS2	46	21	2	0,88	0,40	25	630

Al-Cu - DIN 46329



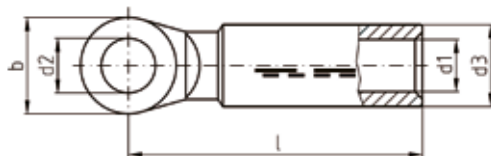
Al 99,5%
filled with contact grease / closed
with oil stop
for Al conductors according to DIN EN 60228 and Al ropes
according to DIN EN 50182
pipe: DIN 46329

mm²		Ø mm	Art. N.	Reference	mm						kg (/100)	Pack
RC/S*	C**				d1	d3	d2	b	l	a		
10	-	8	ICALCU108	10	5	10	8,4	20	50	2,71	2,28	10
16	25	8	ICALCU168	12	5,6	12	8,4	20	60	3,54	2,68	10
		10	ICALCU1610				10,5	20	60	3,42	2,56	10
25	35	8	ICALCU258	12	6,8	12	8,4	20	65	3,57	2,68	10
		10	ICALCU2510				10,5	20	65	3,44	2,55	10
		12	ICALCU2512				13	26	67	4,45	3,56	10
35	50	8	ICALCU358	14	8	14	8,4	20	75	4,55	3,17	10
		10	ICALCU3510				10,5	20	75	4,42	3,04	10
		12	ICALCU3512				13	26	75	5,15	3,76	10
50	70	8	ICALCU508	16	9,8	16	8,4	20	75	4,87	3,19	10
		10	ICALCU5010				10,5	20	75	4,72	3,04	10
		12	ICALCU5012				13	26	75	5,95	4,24	10

typically used tools: „GENERAL CATALOG TOOLS“



! standard: DIN 46239



Al 99,5%
filled with contact grease / closed
with oil stop
for Al conductors according to DIN EN 60228 and Al ropes
according to DIN EN 50182

pipe: DIN 46329

mm ²		Ø mm	Art. N.	Reference	mm						kg (/100)	Pack
RC/S*	C**				d1	d3	d2	b	l	a		
70	95	10	ICALCU7010	18	11,2	18,5	10,5	26	85	7,37	4,60	10
		12	ICALCU7012				13	26	85	7,12	4,35	10
		16	ICALCU7016				17	30	88	8,10	5,33	10
95	120	10	ICALCU9510	22	13,2	22	10,5	26	86	10,59	5,90	10
		12	ICALCU9512				13	26	86	10,34	5,80	10
		16	ICALCU9516				17	30	88	10,99	6,48	10
120	150	10	ICALCU12010	22	14,7	23	10,5	26	88	10,68	6,64	10
		12	ICALCU12012				13	26	88	10,45	6,41	10
		16	ICALCU12016				17	30	90	11,45	7,41	10
150	185	10	ICALCU15010	25	16,3	25,5	10,5	30	100	13,80	8,31	5
		12	ICALCU15012				13	30	100	13,57	8,07	5
		16	ICALCU15016				17	30	100	12,88	7,18	5
185	240	10	ICALCU18510	28	18,3	28,5	10,5	30	102	17,60	10,30	5
		12	ICALCU18512				13	30	102	17,31	10,00	5
		16	ICALCU18516				17	36	105	19,68	12,40	5
		20	ICALCU18520				21	36	105	18,96	11,68	5
240	300	10	ICALCU24010	32	21,5	32,5	10,5	30	112	20,41	10,00	5
		12	ICALCU24012				13	30	112	20,41	10,00	5
		16	ICALCU24016				17	36	115	22,58	12,00	5
		20	ICALCU24020				21	36	115	21,85	11,28	5
300	-	10	ICALCU30010	34	23,5	34	13	30	115	21,84	10,80	1
		12	ICALCU30012				13	30	115	21,84	10,80	1
		16	ICALCU30016				17	36	116	23,2	12,80	1
		20	ICALCU30020				21	36	116	22,49	12,09	1
400	-	10	ICALCU40010	38	26	38,5	10,5	36	125	32,87	17,67	1
		12	ICALCU40012				13	36	125	33,27	17,39	1
		16	ICALCU40016				17	36	125	31,99	16,79	1
		20	ICALCU40020				21	36	125	31,25	16,05	1
500	-	10	ICALCU50010	44	29	44	10,5	44	140	43,70	21,57	1
		12	ICALCU50012				13	44	140	43,33	21,20	1
		16	ICALCU50016				17	44	140	42,83	20,70	1
		20	ICALCU50020				21	44	140	42,08	19,95	1
625	-	12	ICALCU62512	52	35	52	13	50	177	63,01	21,77	1
		16	ICALCU62516				17	50	177	77,00	35,40	1
		20	ICALCU62520				21	50	177	76,30	34,70	1

typically used tools: „GENERAL CATALOG TOOLS“



! standard: DIN 46239

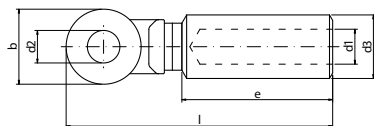


Al / Al-Cu

Low - Medium Voltage

TUBULAR CABLE LUGS & CONNECTORS

Al-Cu / typical: for underground medium voltage cables (acc. to ENEL specs.)

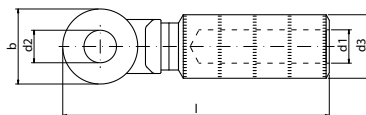


Eye (lug): Cu-ETP 99,95%
Pipe (tube): P-Al 99,9%

The tube is filled with grease and closed with plastic cap.

mm ²	Art. N.	mm						Pack
		d1	d3	d2	b	e	l	
25	CALCU25M12	6,5	16	13	24	47,5	87	3/60
35	CALCU35M12D	8	16	13	24	47,5	87	3/60
35	CALCU35M12	8	20	13	24	47,5	87	3/60
50	CALCU50M12	9	20	13	24	47,5	87	3/60
70	CALCU70M12	11	20	13	24	47,5	87	3/60
95	CALCU95M12	12,5	20	13	25	47,5	87	3/60
120	CALCU120M12	13,7	25	13	30	64,5	110	3/30
150	CALCU150M12	15,5	25	13	30	64,5	110	3/30
185	CALCU185M12	17	32	13	35	64,5	117	3/18
240	CALCU240M12	19,5	32	13	35	64,5	117	3/18

Al-Cu / typical: for low voltage overhead cables (acc. to ENEL specs.)

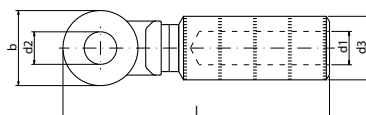


Eye (lug): Cu-ETP 99,95%
Pipe (tube): P-Al 99,9%

The tube is filled with grease and closed with plastic cap.

mm ²	Art. N.	mm					Pack
		d1	d3	d2	b	l	
35 Al	CALCU35M12CA	8	13	13	24	87	3
54,6 Ald	CALCU54M12CA	10	20	13	24	87	3
70 Al	CALCU70M12CA	10,5	20	13	24	87	3

Al-Cu / typical: for Al-alloy overhead cables/conductors (acc. to ENEL specs.)



Eye (lug): Cu-ETP 99,95%
Pipe (tube): P-Al 99,9%

The tube is filled with grease and closed with plastic cap.

mm ²	Art. N.	mm					Pack
		d1	d3	d2	b	l	
35 Ald (7 x 2,52)	CALCU35M12A	8,2	13,5	13	23	89	3
70 Ald (19 x 2,14)	CALCU70M12A	11,2	18	13	23	89	3
150 Al-Acc (7x1,95+26x2,5)	CALCU150M12A	16,5	25	13	33	116	3

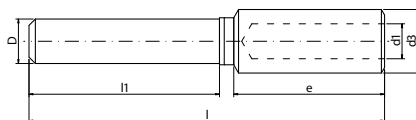
type:
LV / AL-ALLOY O-HEAD
crimping dies: page: 163-184

typically used tools: "GENERAL CATALOG TOOLS"



page: 139-141 hydraulic tool selection: page: 144

Al-Cu pin / typical: for underground medium voltage cables (acc. to ENEL specs.)

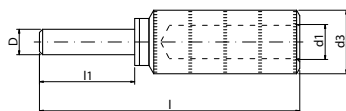


Pin: Cu-ETP 99,95%
Pipe (tube): P-Al 99,9%

The tube is filled with grease and closed with plastic cap.

mm ²	Art. N.	mm						Pack
		d1	d3	D	l1	e	l	
25	CALCU25P8	6,5	16	8	30	47,5	82	3/60
35	CALCU35P8D	8	16	8	30	47,5	82	3/60
35	CALCU35P14	8	20	14	60	47,5	112	3/60
50	CALCU50P14	9	20	14	60	47,5	112	3/60
70	CALCU70P14	11	20	14	60	47,5	112	3/60
95	CALCU95P14	12,5	20	14	60	47,5	112	3/60
120	CALCU120P14	13,7	25	14	60	64,5	130	3/30
150	CALCU150P14	15,5	25	14	60	64,5	130	3/30
185	CALCU185P14	17	32	14	60	64,5	130	3/18
240	CALCU240P14	19,5	32	14	60	64,5	130	3/18

Al-Cu pin / typical: for low voltage overhead cables (acc. to ENEL specs.)

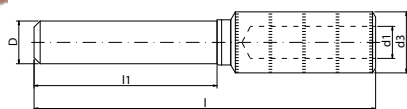


Pin: Cu-ETP 99,95%
Pipe (tube): P-Al 99,9%

The tube is filled with grease and closed with plastic cap.

mm ²	Art. N.	mm					Pack
		d1	d3	D	l1	l	
35 Al	CALCU35P8CA	8	13	8	30	82	3
54,6 Ald	CALCU54P8CA	10	20	8	30	82	3
70 Al	CALCU70P8CA	10,5	20	8	30	82	3

Al-Cu pin / typical: for Al-alloy overhead cables/conductors (acc. to ENEL specs.)



Pin: Cu-ETP 99,95%
Pipe (tube): P-Al 99,9%

The tube is filled with grease and closed with plastic cap.

mm ²	Art. N.	mm					Pack
		d1	d3	D	l1	l	
35 Ald (7 x 2,52)	CALCU35P14A	8,2	13,5	14	80	132	3
70 Ald (19 x 2,14)	CALCU70P14A	11,2	18	14	80	132	3
150 Al-Acc (7x1,95+26x2,5)	CALCU150P14A	16,5	25	14	80	145	3

typically used tools: "GENERAL CATALOG TOOLS"



type:
LV / AL-ALLOY Q.HEAD
crimping dies: page: 163-184

hydraulic tool selection: page: 144
page: 139-141

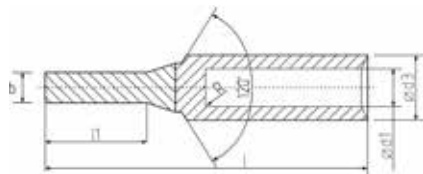


Al / Al-Cu

Low - Medium Voltage

TUBULAR CABLE LUGS & CONNECTORS

Al-Cu pin - DIN 46267



Pin: Cu-ETP DIN 13601
Pipe (tube): Al 99,5%

filled with contact grease / closed
with oil stop
for Al conductors according to DIN EN 60228 and Al
ropes according to DIN EN 50182

DIN 46267 p. 2

mm ²		ø mm	Art. N.	Reference	mm					kg (/100)	kg (/100) Cu	Pack
RC/S*	C**				d1	d3	b	l1	l			
16	25	6	ICALCU16B6V	12	5,6	12	6	20	58	1,45	0,68	10
25	35	6	ICALCU25B6V	12	6,8	12	6	20	58	1,49	0,69	10
35	50	7	ICALCU35B7V	14	8	14	7	22	71	2,34	1,03	10
50	70	8	ICALCU50B8V	16	9,8	16	8	25	74	3,27	1,60	10
70	95	10	ICALCU70B10V	18	11,2	18,5	10	30	87	5,53	2,77	10
95	120	12	ICALCU95B12V	22	13,2	22	12	33	91	8,16	4,36	10
120	150	12	ICALCU120B12V	22	14,7	23	12	38	97	9,40	5,14	10
150	185	12	ICALCU150B12V	25	16,3	25	12	38	108	11,43	5,61	5
185	240	14	ICALCU185B14V	28	18,3	28,5	14	44	116	16,29	8,71	5
240	300	16	ICALCU240B16V	32	21	32	16	44	128	22,30	11,43	5
300	-	18	ICALCU300B18V	34	23,3	34	18	46	131	26,00	14,37	1

* RC: Rounded Compact Stranded Cable, S: Sectorial Stranded Conductor, ** C: Sectorial Solid (1 single) Conductor

typically used tools: „GENERAL CATALOG TOOLS“



page: 139-141



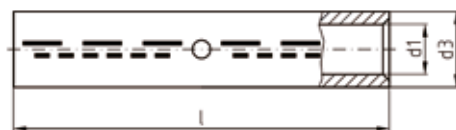
hydraulic tool selection: page: 144



! standard: DIN 46267
Al

crimping dies: page: 163-184

Al connector - DIN 46267

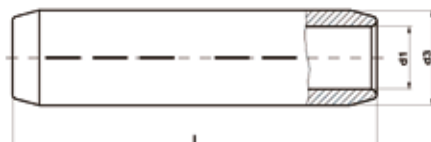


Al 99,5%
filled with contact grease / closed
with oil stop
for Al conductors according to DIN EN 60228 and Al
ropes according to DIN EN 50182

DIN 46267 p. 2

mm ²		Art. N.	Reference	mm			kg (/100)	Pack
RC/S*	C**			d1	d3	l		
16	25	ICAL16V	12	5,6	12	55	0,92	10
25	35	ICAL25V	12	7	12	70	1,78	10
35	50	ICAL35V	14	8	14	85	2,85	10
50	70	ICAL50V	16	10	16	85	3,61	10
70	95	ICAL70V	18	11,5	18,5	105	5,59	10
95	120	ICAL95V	22	13,4	22	105	8,50	10
120	150	ICAL120V	22	15	23	105	8,48	10
150	185	ICAL150V	25	16,5	25	125	11,13	5
185	240	ICAL185V	28	18,5	28,5	125	14,35	5
240	300	ICAL240V	32	21,3	32	145	19,17	5
300	-	ICAL300V	34	23,3	34	145	22,71	1
400	-	ICAL400V	38	26	38,5	210	35,90	1
500	-	ICAL500V	44	29	44	210	48,80	1

Al connector - DIN 46267 / 10-30 kV



Al 99,5%
filled with contact grease / closed
with oil stop
for Al conductors according to DIN EN 60228 and Al
ropes according to DIN EN 50182

DIN 46267 p. 2

mm ²		Art. N.	Reference	mm			kg (/100)	Pack
RC/S*	C**			d1	d3	l		
95	120	ICAL95V30	22	13,4	22	100	6,30	10
120	150	ICAL120V30	22	15	23	105	6,50	10
150	185	ICAL150V30	25	16,5	25	105	7,50	5
185	240	ICAL185V30	28	18,5	28,5	125	12,00	5
240	300	ICAL240V30	32	21,3	32	125	14,40	5
300	-	ICAL300V30	34	23,3	34	125	13,70	1
400	-	ICAL400V30	38	26	38,5	150	24,80	1
500	-	ICAL500V30	44	29	44	170	38,00	1
625	-	ICAL625V30	52	35	52	200	60,20	1
800	-	ICAL800V30	58	40	58	235	87,50	1
1000	-	ICAL1000V30	60	44	60	235	82,50	1

* RC: Rounded Compact Stranded Cable, S: Sectorial Stranded Conductor, ** C: Sectorial Solid (1 single) Conductor

typically used tools: „GENERAL CATALOG TOOLS“



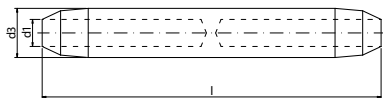
! standard: DIN 46267
Al

page: 139-141

hydraulic tool selection: page: 144

crimping dies: page: 163-184

Al connector / typical: for underground medium voltage cables

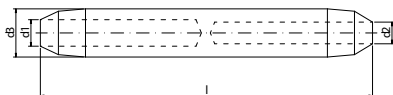


P-Al 99,5%

The tube is filled with grease and closed with plastic cap.

mm ²	Art. N.	mm			Pack
		d1	d3	l	
35	GALM35	8	20	138	3/30
50	GALM50	9	20	138	3/30
70	GALM70	11	20	138	3/30
95	GALM95	12,5	20	138	3/30
120	GALM120	13,7	25	164	3/24
150	GALM150	15,5	25	164	3/24
185	GALM185	17	32	176	3/15
240	GALM240	19,5	32	176	3/15

Al reduction connector / typical: for underground medium voltage cables Al -> Al/Cu



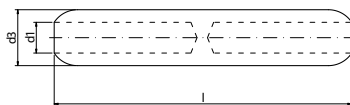
P-Al 99,5%

The tube is filled with grease and closed with plastic cap.

mm ²		Art. N.	mm				Pack
Al	Al/Cu		d1	d2	d3	l	
70	50	GALM7050	11	9	20	138	3/30
95	50	GALM9550	12,5	9	20	138	3/30
	70	GALM9570	12,5	11	20	138	3/30
120	95	GALM12095	13,7	12,5	25	164	3/24
150	95	GALM15095	15,5	12,5	25	164	3/24
	120	GALM150120	15,5	13,7	25	164	3/24
185	50	GALM18550	17	9	32	176	3/15
	95	GALM18595	17	12,5	32	176	3/15
	150	GALM185150	17	15,5	32	176	3/15
240	150	GALM240150	19,5	15,5	32	176	3/15
	185	GALM240185	19,5	17	32	176	3/15



Al connector / multi-voltage

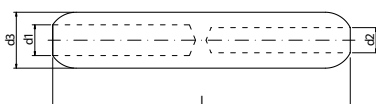


P-Al 99,5%

The tube is filled with grease and closed with plastic cap.

mm ²	Art. N.	mm			Pack
		d1	d3	l	
16	GALMB16	5,5	16	90,5	3/30
25	GALMB25	6,5	16	90,5	3/30
35	GALMB35D	8	16	90,5	3/30
35	GALMB35	8	20	106,5	3/30
50	GALMB50	9	20	106,5	3/30
70	GALMB70	11	20	106,5	3/30
95	GALMB95	12,5	20	110	3/30
120	GALMB120	13,7	25	133	3/24
150	GALMB150	15,5	25	135	3/24
185	GALMB185	17	32	143,5	3/15
240	GALMB240	19,5	32	143,5	3/15

Al reduction connector / multi-voltage Al -> Al/Cu

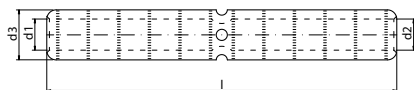


P-Al 99,5%

The tube is filled with grease and closed with plastic cap.

mm ²		Art. N.	mm				Pack
Al	Al/Cu		d1	d2	d3	l	
25	16	GALMB2516	6,5	5,5	16	90,5	3/30
50	25	GALMB5025	9	6,5	20	106,5	3/30
	35	GALMB5035	9	8	20	106,5	3/30
70	35	GALMB7035	11	8	20	106,5	3/30
	50	GALMB7050	11	9	20	106,5	3/30
95	50	GALMB9550	12,5	9	20	110	3/30
	70	GALMB9570	12,5	11	20	110	3/30
120	70	GALMB12070	13,7	11	25	133	3/24
	95	GALMB12095	13,7	12,5	25	133	3/24
150	70	GALMB15070	15,5	11	25	135	3/24
	95	GALMB15095	15,5	12,5	25	135	3/24
	120	GALMB150120	15,5	13,7	25	135	3/24
185	95	GALMB18595	17	12,5	32	143,5	3/15
	120	GALMB185120	17	13,7	32	143,5	3/15
	150	GALMB185150	17	15,5	32	143,5	3/15
240	150	GALMB240150	19,5	15,5	32	143,5	3/15
	185	GALMB240185	19,5	17	32	143,5	3/15

Al reduction connector Al -> Al/Cu / typical: for low voltage overhead cables



P-Al 99,5%

The tube is filled with grease and closed with plastic cap.

mm ²		Art. N.	mm				Pack
Al	Al/Cu		d1	d2	d3	l	
35 Al	25 Cu	GAL3525CA	8	13	6,5	105	3
	35 Al	GAL35CA	8	13	8	105	3
70 Al	35 Al	GAL7035CA	10,5	20	8	105	3
	50 Cu	GAL7050CA	10,5	20	9	105	3
	70 Al	GAL70CA	10,5	20	10,5	105	3
54,6 Ald	25 Cu	GAL5425CA	10	20	6,5	105	3

typically used tools: „GENERAL CATALOG TOOLS“



page: 139-141



hydraulic tool selection: page: 144



! standard:
LV OVERHEAD
crimping dies: page: 163-184

Al-Cu connector - DIN 46267



Al 99,5%
Cu-ETP DIN 13601

filled with contact grease / closed
with oil stop
for Al conductors according to DIN EN 60228 and Al
ropes according to DIN EN 50182

DIN 46267 p. 1, 2

mm ²			Art. N.	Reference	mm					kg (/100)	kg (/100) Cu	Pack
Al RC/S*	Al C**	Cu RC/S*			d1	d3	d2	d4	l			
25	35	10	ICALCU2510V	Al 12 / CU 6	6,8	12	4,4	6	51	0,99	0,23	10
		16	ICALCU2516V	Al 12 / CU 8			5,5	8,5	61	1,61	0,84	10
		25	ICALCU2525V	Al 12 / CU 10			7	10	62	1,91	1,13	10
35	50	16	ICALCU3516V	Al 14 / CU 8	8	14	5,5	8,5	71	2,12	0,89	10
		25	ICALCU3525V	Al 14 / CU 10			7	10	71	2,41	1,13	10
		35	ICALCU3535V	Al 14 / CU 12			8,2	12,2	70	2,98	1,71	10
50	70	16	ICALCU5016V	Al 16 / CU 8	9,8	16	5,5	8,5	71,5	2,48	0,90	10
		25	ICALCU5025V	Al 16 / CU 10			7	10	71,5	2,66	1,03	10
		35	ICALCU5035V	Al 16 / CU 12			8,2	12,2	71,5	3,34	1,71	10
70	95	50	ICALCU5050V	Al 16 / CU 14			10	14,5	77	4,35	2,65	10
		25	ICALCU7025V	Al 18 / CU 10	11,2	18,5	7	10	79	3,62	1,06	10
		35	ICALCU7035V	Al 18 / CU 12			8,2	12,2	79	4,22	1,55	10
		50	ICALCU7050V	Al 18 / CU 14			10	14,5	85	5,33	2,65	10
		70	ICALCU7070V	Al 18 / CU 16			11,5	16,5	88	6,40	3,67	10

typically used tools: „GENERAL CATALOG TOOLS“



page: 139-141



hydraulic tool selection: page: 144



! standard: DIN 46267
Al
crimping dies: page: 163-184

Al-Cu connector - DIN 46267



Al 99,5%
Cu-ETP DIN 13601

filled with contact grease / closed
with oil stop
for Al conductors according to DIN EN 60228 and Al
ropes according to DIN EN 50182

DIN 46267 p. 1, 2

mm ²			Art. N.	Reference	mm					kg (/100)	kg (/100) Cu	Pack
Al RC/S*	Al C**	Cu RC/S*			d1	d3	d2	d4	l			
95	120	35	ICALCU9535V	Al 22 / CU 12	13,2	22	8,2	12,2	79	5,74	1,66	10
		50	ICALCU9550V	Al 22 / CU 14			10	14,5	85	6,91	2,65	10
		70	ICALCU9570V	Al 22 / CU 16			11,5	16,5	87	7,89	3,68	10
		95	ICALCU9595V	Al 22 / CU 18			13,5	19	94	9,88	5,62	10
120	150	50	ICALCU12050V	Al 22 / CU 14	14,7	23	10	14,5	87	6,65	2,73	10
		70	ICALCU12070V	Al 22 / CU 16			11,5	16,5	89	7,61	3,58	10
		95	ICALCU12095V	Al 22 / CU 18			13,5	19	97	9,77	5,62	10
		120	ICALCU120120V	Al 22 / CU 20			15,5	21	98	10,82	6,61	10
150	185	70	ICALCU15070V	Al 25 / CU 16	16,3	25	11,5	16,5	101	9,59	3,58	5
		95	ICALCU15095V	Al 25 / CU 18			13,5	19	108	11,66	5,62	5
		120	ICALCU150120V	Al 25 / CU 20			15,5	21	108	12,59	6,61	5
		150	ICALCU150150V	Al 25 / CU 22			17	23,5	113	15,50	9,46	5
185	240	95	ICALCU18595V	Al 28 / CU 18	18,3	28,5	13,5	19	108	13,00	5,62	5
		120	ICALCU185120V	Al 28 / CU 20			15,5	21	108	14,01	6,61	5
		150	ICALCU185150V	Al 28 / CU 22			17	23,5	113	16,93	9,47	5
		185	ICALCU185185V	Al 28 / CU 25			19	25,5	116	18,53	10,97	5
240	300	120	ICALCU240120V	Al 32 / CU 20	21	32	15,5	21	120	17,36	6,60	5
		150	ICALCU240150V	Al 32 / CU 22			17	23,5	124	20,08	9,27	5
		185	ICALCU240185V	Al 32 / CU 25			19	25,5	127	21,84	10,97	5
		240	ICALCU240240V	Al 32 / CU 28			21,5	29	128	25,85	14,89	5
300	-	150	ICALCU300150V	Al 34 / CU 22	23,3	34	17	23,5	124	20,51	9,27	1
		185	ICALCU300185V	Al 34 / CU 25			19	25,5	128	22,58	11,19	1
		240	ICALCU300240V	Al 34 / CU 28			21,5	29	128	25,63	13,71	1
		300	ICALCU300300V	Al 34 / CU 32			24,5	32	138	30,56	18,58	1
400	-	185	ICALCU400185V	Al 38 / CU 25	26	38,5	19	25,5	131	26,70	11,20	1
		240	ICALCU400240V	Al 38 / CU 28			21,5	29	129	29,30	13,70	1
		300	ICALCU400300V	Al 38 / CU 32			24,5	32	139	34,30	18,60	1
500	-	240	ICALCU500240V	Al 44 / CU 28	29	44	21,5	29	139	36,66	13,71	1
		300	ICALCU500300V	Al 44 / CU 32			24,5	32	149	41,73	18,58	1
		400	ICALCU500400V	Al 44 / CU 38			27,5	38,5	168	62,24	41,10	1

typically used tools: „GENERAL CATALOG TOOLS“



page: 139-141



hydraulic tool selection: page: 144

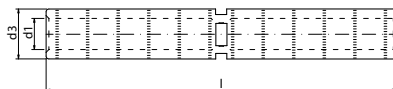


! standard: DIN 46267

Al

crimping dies: page: 163-184

Al connector, full tension / for LV overhaed cables

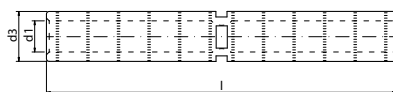


P-Al 99,5%

The tube is filled with grease and closed with plastic cap.

mm ²	Art. N.	mm			Pack
		d1	d3	l	
35 Al	GAL35PT	8	13	95	3
54,6 Aldr.	GAL54PT	10	16	110	3
70 Al	GAL70PT	10,5	20	155	3

Cu connector, full tension / for LV overhead cables



Cu-ETP 99,95%

The tube is filled with grease and closed with plastic cap.

mm ²	Art. N.	mm			Pack
		d1	d3	l	
10 Cu	GCU10PT	5	8,5	51	10
16 Cu	GCU16PT	5	8,5	61	10
25 Cu	GCU25PT	7	11	81	10
35 Cu	GCU35PT	8,3	13,8	92	10
70 Cu	GCU70PT	11,5	18	119	10

typically used tools: „GENERAL CATALOG TOOLS“



page: 139-141

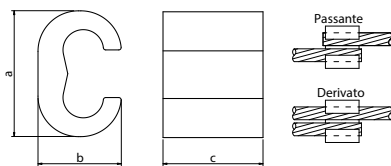


hydraulic tool selection: page: 144



! type: LV O.HEAD / FULL TENS.
crimping dies: page: 163-184

Cu - „C“ derivation connector



Cu-ETP 99,95%

mm ²		Art. N.	mm			Pack
Pass.	Derivative		a	b	c	
6÷2,5	6÷1,5	DAC6	10	6,5	7,5	100
10	10÷1,5	DAC10	12	8	12	100
16	16÷1,5	DAC16	19,5	12	17,5	100
25	25÷16	DAC25	20,5	12	17,5	50
35	16÷1,5	DAC3516	25	15,5	21,5	50
35	35÷25	DAC35	26,5	15,5	21,5	50
50	25÷6	DAC5025	34	22	28	25
70÷50	35÷6	DAC7035	34	22	28	25
70÷50	70÷35	DAC70	34	22	28	25
95	35÷6	DAC9535	41	23,5	30	25
95	70÷35	DAC9570	41	23,5	30	25
95	95	DAC95	41	23,5	30	25
120	120÷25	DAC120	44,5	27,5	30	10
150	120÷25	DAC150120	45,5	27,5	30	10
185÷150	95÷16	DAC18595	44,5	27,5	30	10
185	185	DAC185	45,5	27,5	40	10



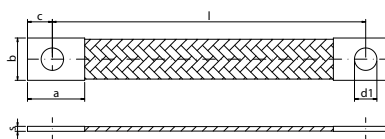
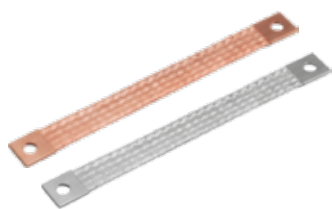
! type: C-CLAMP

typically used tools: „GENERAL CATALOG TOOLS“

hydraulic tool selection: page: 144

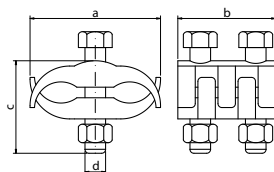
crimping dies: page: 163-184

Cu - flexible band



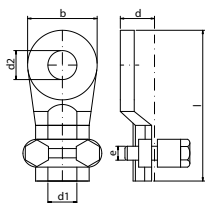
terminals: Cu-ETP UNI EN 1652
wires: Cu-ETP UNI EN 13602

mm ²	Art. N.		mm						Pack
	Copper	Tinned Copper	a	b	c	d1	s	l	
10	TRF10-150	TRF10-150T	23	17	10	9	2,0	150	25
	TRF10-200	TRF10-200T	23	17	10	9	2,0	200	25
	TRF10-250	TRF10-250T	23	17	10	9	2,0	250	25
16	TRF16-150	TRF16-150T	23	17	10	9	2,5	150	25
	TRF16-200	TRF16-200T	23	17	10	9	2,5	200	25
	TRF16-250	TRF16-250T	23	17	10	9	2,5	250	25
	TRF16-300	TRF16-300T	23	17	10	9	2,5	300	25
	TRF16-350	TRF16-350T	23	17	10	9	2,5	350	25
	TRF16-420	TRF16-420T	23	17	10	9	2,5	420	25
	TRF16-570	TRF16-570T	23	17	10	9	2,5	570	25
	TRF16-660	TRF16-660T	23	17	10	9	2,5	660	25
25	TRF25-150	TRF25-150T	23	23	10	9	3,2	150	25
	TRF25-200	TRF25-200T	23	23	10	9	3,2	200	25
	TRF25-250	TRF25-250T	23	23	10	9	3,2	250	25
	TRF25-300	TRF25-300T	23	23	10	9	3,2	300	25



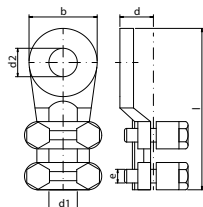
body: OT 58 UNI 5705/65
screws: Fe UNI 5739 - DIN 933
bolts: Fe UNI 5588 - DIN 934

mm ²	Art. N.	mm				Pack
		a	b	c	d	
4÷25	MB01B425	22	18	25	1xM6	50
10÷50	MB01B1050	29	28	25	1xM6	50
10÷50	MB02B1050	29	22	25	2xM6	50
15÷95	MB02B1595	36	30	35	2xM6	25
30÷150	MB02B3015	38	37	45	2xM8	10
150÷200	MB02B1520	55	58	50	3xM12	5
200÷300	MB03B2030	65	60	60	3xM12	5



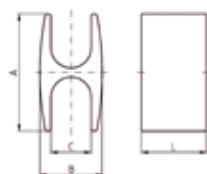
body: OT 58 UNI 5705/65
screws: Fe UNI 5739 - DIN 933

mm ²	Art. N.	mm						Pack
		d1	d2	b	d	l	e	
16	CO2B16	4,1÷5,2	8,4	15	9,5	34,5	M5	50
25	CO2B25	5,2÷6,5	8,4	18	11,5	41	M5	50
35	CO2B35	6,5÷7,7	10,5	21	12,5	47,5	M5	50



body: OT 58 UNI 5705/65
screws: Fe UNI 5739 - DIN 933

mm ²	Art. N.	mm						Pack
		d1	d2	b	d	l	e	
50	CO4B50	7,7÷9,3	10,5	22	14,5	56	M6	25
75	CO4B75	9,3÷11	13	28	16	66	M6	25
100	CO4B100	11÷12,8	13	30	16	69	M6	25
120	CO4B120	12,8÷14,5	13	32	16	74	M6	25
170	CO4B170	14,5÷16,8	15	35	16	80,5	M8	25
200	CO4B200	16,8÷18	16	38	22	87	M8	25
250	CO4B250	18÷20,5	17	42	22	91	M8	25
300	CO4B300	20,5÷22	17	45	22	105	M10	20
400/500	CO4B400	22÷25	21	54	24	124	M10	10



Cu-ETP (DIN EN 13600)
For Cu ropes according to DIN 48201

mm ²		Art. N. (tinned)	mm				kg (/100)	Pack	Art. N. (blank, no tin)
1	2		A	B	C	L			
70	70	ICD7070H	34	17	10,8	28	6,22	5	ICD7070HBK
95	95	ICD9595H	40	22	13	30	9,76	5	ICD9595HBK
120	120	ICD120120H	45	24	15,5	25	10,24	5	ICD120120HBK



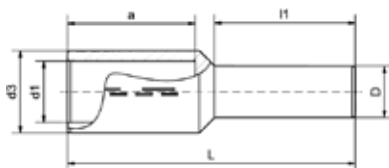
typically used tools: „GENERAL CATALOG TOOLS”

hydraulic tool selection: **page: 144**



! type: H BRANCH
crimping dies: **page: 163-184**

Cu - end pin



Cu-HCP tinned

DIN 46235
(pipe)

mm ²	ID	Art.N.	mm						kg (/100)	Pack
			d1	d3	D	L	l1	a		
120	20	ICD120B13V	15,5	21	13	79	38	35	10,60	10
150	22	ICD150B14V	17	23,5	14	79	38	35	13,30	10
185	25	ICD185B16V	19	25,5	16	90	44	40	17,65	5
240	28	ICD240B18V	21,5	29	18	90	44	40	23,00	5

typically used tools: „GENERAL CATALOG TOOLS”



page: 139-141



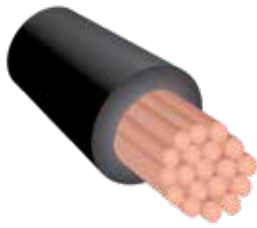
hydraulic tool selection: **page: 144**



! standard: DIN 46235
crimping dies: **page: 163-184**



4 conductors



rigid conductor



compact rigid conductor



flexible conductor class 5



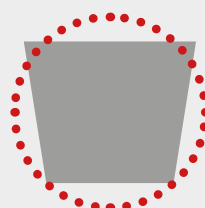
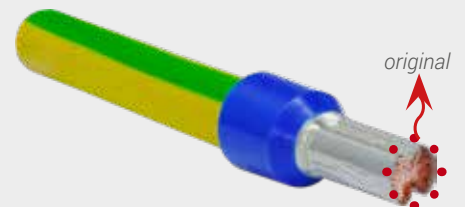
flexible compact conductor

1 system

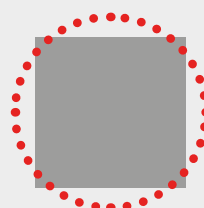


i - crimping

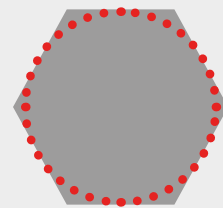
*i*ntelligent crimping



trapezoid



square



hexagonal



*i*ntelligent



TERMINAL BLOCKS



Easy separation between terminals



Easy separation of single poles, without material residue

MATERIALS

- Insulated body: self-extinguishing transparent polycarbonate
- Conductive case: brass CW 614 N
- Screws/dowels: zinc-plated steel

TECHNICAL SPECIFICATIONS

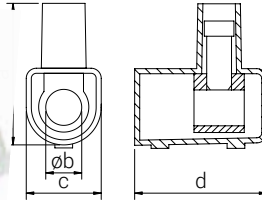
- Protection degree IP 20 (1,5 - 10 mm²)
- Protection degree IP 00 (16 - 70 mm²)
- High dielectric strength
- High resistance to tracking currents
- Inflammability grade according to UL 94-V2
- Heat resistance 130°C
- 850°C to glow wire test
- Threaded tightening

ADVANTAGES

- Transparent casing allows perfect visibility of connections
- Fast wire clipping thanks to conical shape casing
- Adaptable use with flexible, rigid and flexible conductors with ferrules
- Easy separation of single poles, without material residue, in the bar series
- In MVU50 MVU70 models, modular mounting with innovative patented coupling/decoupling system with tabs on each pole



SINGLE-POLE TERMINAL BLOCKS



Operating temperature: 85°C

Materials:

- transparent polycarbonate, UL94-V2, GWT 850°C
- cage insert: brass CW 614 N
- screws/dowels: zinc-plated steel

Standard

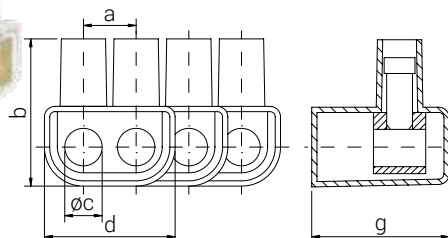
- EN 60998-1:2004
- EN 60998-2-1:2004



Rated section [mm²]	Order N.	Conductors Section [mm²]	N° of conductors		Rated Voltage [V]	Rated Current [A]	Degree of protection	N° poles per bar	Dimensions [mm]				Pack
			Solid	Flexible					a	Øb	c	d	
1,5	MVU1.5	1,5 1 0,75	2 2 ÷ 3 2 ÷ 4	2 2 ÷ 3 2 ÷ 4	450	17,5	IP 20	10	16	3,3	10	15	10/600
2,5	* MVU2.5	2,5 1,5 1	2 2 ÷ 3 2 ÷ 4	2 2 ÷ 3 2 ÷ 4	450	24	IP 20	10	17,6	3,7	8,4	17,6	10/600
4	* MVU4	4 2,5 1,5	2 2 ÷ 3 2 ÷ 4	2 2 ÷ 3 2 ÷ 4	450	32	IP 20	10	21	4,5	10,5	19,3	10/600
6	* MVU6	6 4 2,5	2 2 ÷ 3 2 ÷ 4	2 2 2 ÷ 4	500	41	IP 20	10	23	5,6	11,5	22,5	10/600
10	* MVU10	10 6 4	2 2 ÷ 3 2 ÷ 4	- 2 2 ÷ 3	500	57	IP 20	10	28	6,9	14,6	26	5/200
16	* MVU16	16 10 6	2 2 ÷ 3 2 ÷ 4	- 2 2 ÷ 3	500	76	IP 00	10	33	9	19,7	31	5/150
25	* MVU25	25 16 10	2 2 ÷ 3 2 ÷ 4	- 2 ÷ 3 2 ÷ 4	500	101	IP 00	1	41	12	22	39	5/500
35	* MVU35	35 25 16	2 2 ÷ 3 2 ÷ 4	- 2 ÷ 3 2 ÷ 4	500	125	IP 00	1	44	14	25	46	5/500
50	* MVU50	50 35 25 16	2 2 ÷ 3 2 ÷ 4 -	- 2 2 ÷ 3 2 ÷ 4	750	150	IP 00	1	63	7,7	28	44	1/2
70	* MVU70	70 50 35 25	2 2 ÷ 3 2 ÷ 4 -	- 2 2 ÷ 3 2 ÷ 4	750	175	IP 00	1	71	11	33	48	1/1



MULTIPLE SINGLE-POLE TERMINAL BLOCKS



Operating temperature: 85°C

Materials:

- transparent polycarbonate, UL94-V2, GWT 850°C
- cage insert: brass CW 614 N
- screws/dowels: zinc-plated steel

Standard

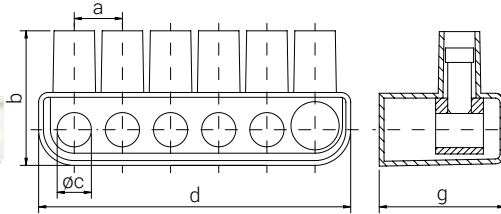
- EN 60998-1:2004
- EN 60998-2-1:2004



Rated section [mm²]	Order N.	N° max Conductors [mm²]	Conductors Section [mm²]	N° of conductors		Rated Voltage [V]	Rated Current [A]	Degree of protection	Dimensions [mm]					Pack
				Solid	Flexible				a	b	Øc	d	e	
1,5	MVM1.5-2P	2 x 1,5	1,5 1 0,75	1 1/2 1/3	1 1/2 1/3	450	17,5	IP 20	4,5	13	3,1	12	15	20/200
6	MVM6-2P	2 x 6	6 4 2,5 1,5	1 1/2 1/3 -	- 1 1/2 1/3	450	41	IP 20	6	16	3,7	15	18	20/200
16	MVM16-2P	2 x 16	16 10 6 4	1 1/2 1/3 -	- 1 1/2 1/	500	76	IP 20	8	25	5,5	20	22,5	10/100
25	MVM25-2P	2 x 25	25 16 10 6	1 1/2 1/3 -	- 1 1/2 1/3	500	101	IP 00	10	24,5	7	25	26	10/100
35	MVM35-2P	2 x 35	35 25 16 10	1 1/2 1/3 -	- 1 1/2 1/3	500	125	IP 00	13	33	9	31,5	31	5/50
6	MVM6-3P	3 x 6	6 4 2,5 1,5	1 1 1 -	- 1 1 1	450	41	IP 20	5	15,25	3,5	19,5	14	15/150
16	MVM16-3P	3 x 16	16 10 6 4	1 1 1 -	- 1 1 1	450	76	IP 20	9	22	5,5	32,5	22,25	10/100
6	MVM6-4P	4 x 6	6 4 2,5 1,5	1 1 1 -	- 1 1 1	450	41	IP 20	9	27	5,5	41,5	22,25	15/150
16	MVM16-4P	4 x 16	16 10 6 4	1 1 1 -	- 1 1 1	450	76	IP20	9	22	5,5	41,5	22,25	8/80



MULTIPLE SINGLE-POLE TERMINAL BLOCKS



Operating temperature: 85°C

Materials:

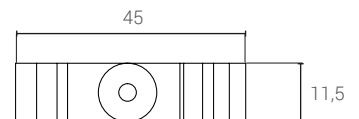
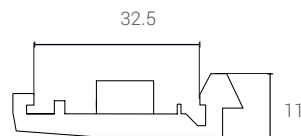
- transparent polycarbonate, UL94-V2, GWT 850°C
- cage insert: brass CW 614 N
- screws/dowels: zinc-plated steel

Standard

- EN 60998-1:2004
- EN 60998-2-1:2004



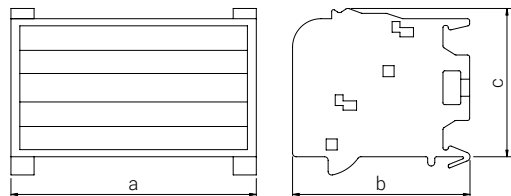
Rated section [mm²]	Order N.	N° max Conductors [mm²]	Conductors Section [mm²]	N° of conductors		Rated Voltage [V]	Rated Current [A]	Degree of protection	Dimensions [mm]					Pack
				Solid	Flexible				a	b	Øc	d	e	
6	MVM106-6P	5x6	6 4 2,5	1 1 1/2	- 1 1	450	41	IP20	7	27	5	46,5	22,5	5/50
		1x10	10 6 4	1 1/2 1/4	- 1 1/3									
16	MVM2516-6P	5x16	16 10 6	1 1 1	- 1 1	450	76	IP20	10	30	7,5	62	25,25	5/50
		1x25	25 16 10	1 1 1	- 1 1									



Order N.		Pack
MVMSD	Clamping accessory on 35 mm DIN Rail (only on MVM106-6P; MVM2516-6P)	10/100



TWO-POLE AND FOUR-POLE DISTRIBUTION TERMINAL BLOCKS



Operating temperature: 85°C

Materials:

- transparent polycarbonate, UL94-V2, GWT 850°C
- cage insert: brass CW 614 N
- screws/dowels: zinc-plated steel

Standard

- EN 60998-1:2004
- EN 60998-2-1:2004

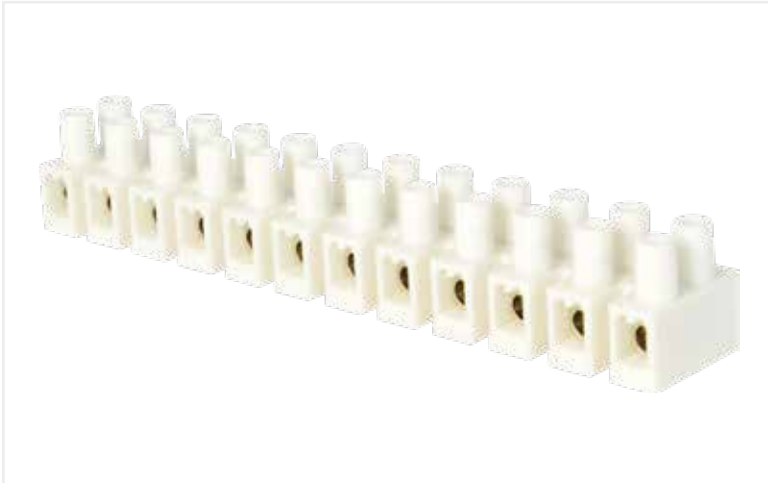


TWO-POLE DISTRIBUTION TERMINAL BLOCKS

Conductor sections [mm²]		Order N.	N° holes per bar	Tightening torque [Nm]	N° modules	Capacity [A]	Ipk [kA]	Icw [kA]	Dimension [mm]			Pack
with ferrule	without ferrule								a	b	c	
1,5 / 10	2,5 / 10	MDB16-4M	5 (Ø 6,5)	2	4	63	-	-	70	48	50	10
1,5 / 6 6 / 16	2,5 / 6 10 / 25	MDB25-4M	5 (Ø 5,5) 2 (Ø 7,5)	2	4	100	22	3	70	48	50	4 / 120
1,5 / 6 6 / 16 10 / 25	2,5 / 6 10 / 25 10 / 35	MDB35-6M	7 (Ø 5,5) 2 (Ø 7,5) 2 (Ø 9,0)	2	6	125	19	4,2	107	48	50	3 / 90
1,5 / 6 6 / 16 10 / 25	2,5 / 6 10 / 25 10 / 35	MDB35-8M	11 (Ø 5,5) 2 (Ø 7,5) 2 (Ø 9,0)	2	8	125	19	4,2	135	48	50	2/60

FOUR-POLE DISTRIBUTION TERMINAL BLOCKS

Conductor sections [mm²]		Order N.	N° holes per bar	Tightening torque [Nm]	N° modules	Capacity [A]	Ipk [kA]	Icw [kA]	Dimension [mm]			Pack
with ferrule	without ferrule								a	b	c	
1,5 / 6 6 / 16	2,5 / 6 10 / 25	MDQ25-4M	5 (Ø 5,5) 2 (Ø 7,5)	2	4	100	22	3	71	104	52	2 / 60
1,5 / 6 6 / 16 10 / 25	2,5 / 6 10 / 25 10 / 35	MDQ35-6M	7 (Ø 5,5) 2 (Ø 7,5) 2 (Ø 9,0)	2	6	125	19	4,2	108	104	52	1 / 30
1,5 / 6 6 / 16 10 / 25	2,5 / 6 10 / 25 10 / 35	MDQ35-8M	11 (Ø 5,5) 2 (Ø 7,5) 2 (Ø 9,0)	2	8	125	19	4,2	137	104	52	1 / 30
1,5 / 6 10 / 25 10 / 35	2,5 / 16 10 / 35 10 / 50	MDQ50-8M	6 (Ø 6,5) 2 (Ø 8,5) 1 (Ø 11,0)	2 2 4	8	160	28	6	134	134	52	1 / 30
1,5 / 6 10 / 25 10 / 35	2,5 / 6 10 / 35 10 / 50	MDQ50-10M	9 (Ø 6,5) 4 (Ø 8,5) 1 (Ø 11,0)	2 2 4	10	160	28	6	184	95	52	1 / 25



With wire protection



Without wire protection

MATERIALS

- Insulated body: polypropylene (PP), polyamide (PA-V2), polyamide (PA-V0)
- Conductive case: brass CW 614 N
- Screws/dowels: zinc-plated steel

TECHNICAL SPECIFICATIONS

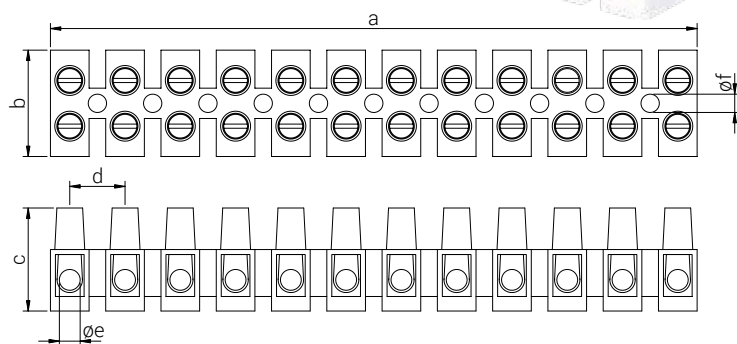
- Protection degree IP 20
- Operating temperature from 85°C to 140°C
- Inflammability grade according to UL 94-V2
- 850°C to glow wire test
- Version V0 - GTW a 750°C - EN 63335-1:2002 + A2:2006 (Par,30,2,3)
- IEC 60695-2-11
- Thin plate indirect clamping for the series in polyamide

ADVANTAGES

- High protection against oxidation, thanks to nickel-plated brass insert and zinc-plated clamping screw
- application flexibility with the possibility to choose different array of products, according the installation condition
- High strength against impacts even at low temperatures
- High strength against vibration and thanks to good material elasticity
- The precise positioning of the screw guarantee a clearance for an easy-entry of conductor



POLYPROPYLENE TERMINAL BLOCKS 12 ways-V2



Materials:

- polypropylene, UL94 V2, GWT 850°C
- cage insert: nickel plated brass
- captive screw: zinc plated steel

Standard:

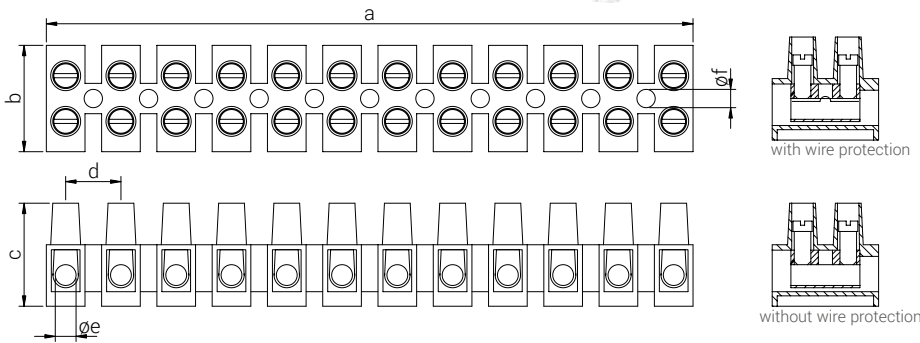
- DIN EN 60998-1 (VDE 0613 Teil 1)
- DIN EN 60998-2-1 (VDE 0613 Teil 2-1)
- UL 1059



Rated section [mm²]	Order N.	Version	Standard	Conductors section [mm²]	Rated Voltage [V]	Rated Current [A]	Operating T°	Screw	Dimensions [mm]						Pack
									a	b	c	d	Øe	Øf	
1,5	*MP-PA8P	without wire protection	IEC UL	0,75÷1,5 mm² 22÷12 AWG Cu	450 V 300 V	17,5 A 20 A	85°C 185°F	M2,6 (0,4Nm)	94	17	14,3	8	2,8	3	50
2,5	*MP-PA10P	without wire protection	IEC UL	1÷2,5 mm² 22÷10 AWG Sol Cu 14÷10 AWG Str Cu	450 V 300 V	24 A 30 A	85°C 185°F	M3 (0,5Nm)	117	20	16,4	10	3,4	4	50
6	MP-PA12P	without wire protection	IEC	2,5÷6 mm²	500 V	41 A	85°C	M3,5 (0,8N)	140	23,8	19	12	4	4	40
10	MP-PA14P	without wire protection	IEC	4÷10 mm²	500 V	57 A	85°C	M4 (1,2Nm)	158	25,6	25	13,5	5	4,4	25
16	MP-PA16P	without wire protection	IEC	6÷16 mm²	500 V	76 A	85°C	M4 (1,2Nm)	169	28,0	23	14,5	6	4,0	10
25	MP-PA18P	without wire protection	IEC	10÷25 mm²	500 V	101 A	85°C	M5 (2,0Nm)	194	36,9	19	16,5	7	4,0	10



POLYAMIDE TERMINAL BLOCKS 12 ways-V2



Materials:

- polyamide, UL94 V2, GWT 850°C
- cage insert: nickel plated brass
- captive screw: zinc plated steel

Version with wire protection:

Stainless steel spring wire protector

Standard:

- DIN EN 60998-1 (VDE 0613 Teil 1)
- DIN EN 60998-2-1 (VDE 0613 Teil 2-1)
- UL 1059

PA6.6 V2



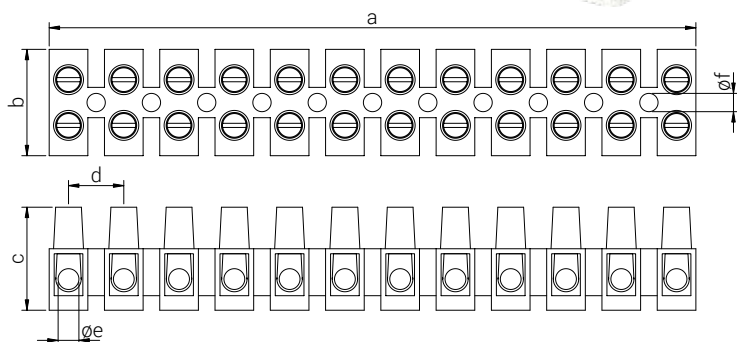
Rated section [mm²]	Order N.	Version	Standard	Conductors section [mm²]	Rated Voltage [V]	Rated Current [A]	Operating T°	Screw	Dimensions [mm]						Pack
									a	b	c	d	øe	øf	
1,5	* MN-PA8	without wire protection	IEC UL	0,75÷1,5 mm² 22÷12 AWG Cu	450 V 300 V	17,5 A 20 A	110°C 105°C (221°F)	M2,6 (0,4Nm)	94	17	14,3	8	2,8	2,9	50
	* MN-PA8DS	with wire protection													50
2,5	* MN-PA10	without wire protection	IEC UL	1÷2,5 mm² 22÷10 AWG Sol Cu 14÷10 AWG Str Cu	450 V 300 V	24 A 30 A	110°C 105°C (221°F)	M3 (0,5Nm)	117	20	16,4	10	3,8	3,6	50
	* MN-PA10DS	with wire protection													50
6	MN-PA12	without wire protection	IEC UL	2,5÷6 mm² 22÷10 AWG Cu	500 V 300 V	41 A 35 A	110°C 105°C (221°F)	M3 (0,8Nm)	140	23,8	19	12	4,2	3,9	40
	MN-PA12DS	with wire protection													40
10	MN-PA14	without wire protection	IEC UL	4÷10 mm² 20÷8 AWG Cu	500 V 300 V	57 A 50 A	110°C 105°C (221°F)	M4 (1,2Nm)	158	25,6	25	13,5	5	4,4	25
	MN-PA14DS	with wire protection													25

*UR homologation



POLYAMIDE TERMINAL BLOCKS 12 ways-V0

GWT 750°C



Materials:

- polyamide, UL94 V0, GWT 850°C
 - cage insert: nickel plated brass
 - captive screw: zinc plated steel
- Version with wire protection:
Stainless steel spring wire protector

Standard:

- DIN EN 60998-1 (VDE 0613 Teil 1);
- DIN EN 60998-2-1 (VDE 0613 Teil 2-1)
- UL 1059
- EN 63335 (30.2.3) GWT 750°C
- IEC 60695-2-11

PA6.6 V0



Rated section [mm²]	Order N.	Version	Standard	Conductors section [mm²]	Rated Voltage [V]	Rated Current [A]	Operating T°	Screw	Dimensions [mm]						Pack
									a	b	c	d	Øe	Øf	
1,5	* MN-PA8G	without wire protection	IEC UL	0,75÷1,5 mm² 22÷12 AWG Cu	450 V 300 V	17,5 A 20 A	140°C 105°C (221°F)	M2,6 (0,4Nm)	94	17	14,3	8	2,8	2,9	50
	* MN-PA8GDS	with wire protection													50
2,5	* MN-PA10G	without wire protection	IEC UL	1÷2,5 mm² 22÷10 AWG Sol Cu 14÷10 AWG Str Cu	450 V 300 V	24 A 30 A	140°C 105°C (221°F)	M3 (0,5Nm)	117	20	16,4	10	3,8	3,6	50
	* MN-PA10GDS	with wire protection													50
6	MN-PA12G	without wire protection	IEC UL	2,5÷6 mm² 22÷10 AWG Cu	500 V 300 V	41 A 35 A	140°C 105°C (221°F)	M3 (0,8Nm)	140	23,8	19	12	4,2	3,9	40
	MN-PA12GDS	with wire protection													40
10	MN-PA14G	without wire protection	IEC UL	4÷10 mm² 20÷8 AWG Cu	500 V 300 V	57 A 50 A	140°C 105°C (221°F)	M4 (1,2Nm)	158	25,6	25	13,5	5	4,4	25
	MN-PA14GDS	with wire protection													25

*UR homologation



MATERIALS

- Insulated body: Porcelain
- Cage inserts: Nickel-plated brass
- Screws: zinc-plated steel

TECHNICAL SPECIFICATIONS

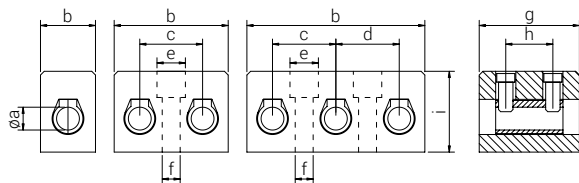
- Operating temperature max 350°C
- 960°C to glow wire test according to EN 60695-2-11

ADVANTAGES

- High protection against oxidation, thanks to nickel-plated brass insert and zinc-plated clamping screw
- application flexibility with the possibility to choose different array of products, according the installation condition
- High strength against impacts even at low temperatures
- Use for making electrical connections with copper conductors in installations and appliances working in high temperature conditions



PORCELAIN TERMINALS BLOCKS



Heat resistance up to: 800 °C insulating case, 350°C

Materials:

- body: porcelain
- cage insert: zinc-plated brass
- screws: zinc-plated steel

Standard

- EN 60998-1:2004
- EN 60998-2-1:2004



Conductor Sections [mm ²]		Order N.	N.° poli N. poles	Rated Current [A]	Rated Voltage [V]	Tightening Torque [Nm]	Dimension [mm]									Pack
Flexible	Solid						Øa	b	c	d	e	f	g	h	i	
1,5 ÷ 4	1,5 ÷ 4	MC4-1P	1	32	450	0,4	3	10	-	-	-	-	18	6	17	200
1,5 ÷ 4	1,5 ÷ 4	MC4-2P	2	32	450	0,4	3	21,5	11,5	11,5	6,9	4,6	18	6	17	100
1,5 ÷ 4	1,5 ÷ 4	MC4-3P	3	32	450	0,4	3	33	11,5	11,5	6,9	4,6	18	6	17	50
2,5 ÷ 4	2,5 ÷ 6	MC6-1P	1	41	450	0,5	3,5	11	-	-	-	-	20	7	17,5	150
2,5 ÷ 4	2,5 ÷ 6	MC6-2P	2	41	450	0,5	3,5	23,5	12,5	12,5	7,5	4,5	20	7	17,5	75
2,5 ÷ 4	2,5 ÷ 6	MC6-3P	3	41	450	0,5	3,5	36	12,5	12,5	7,5	4,5	20	7	17,5	50
4 ÷ 6	4 ÷ 10	MC10-1P	1	57	450	0,8	4,4	12	-	-	-	-	22	8	18	125
4 ÷ 6	4 ÷ 10	MC10-2P	2	57	450	0,8	4,4	26	14	14	8,5	5	22	8	18	60
4 ÷ 6	4 ÷ 10	MC10-3P	3	57	450	0,8	4,4	40	14	14	8,5	5	22	8	18	40
4 ÷ 10	6 ÷ 16	MC16-1P	1	76	450	1,2	6	16	-	-	-	-	30	10	23	75
4 ÷ 10	6 ÷ 16	MC16-2P	2	76	450	1,2	6	34	17,5	17,5	9	5	30	10	23	25
4 ÷ 10	6 ÷ 16	MC16-3P	3	76	450	1,2	6	52	17,5	17,5	9	5	30	10	23	25



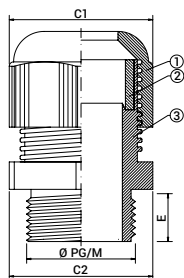
CABLE GLANDS



CABLE GLANDS

POLYAMIDE PA6 CABLE GLANDS - IP68

High Performance



Degree of protection: IP68 - 5 bar

Material:

• ①/③ polyamide PA6 (self extinguished UL94-V2)

• ② sealing: neoprene 70 shore A

Operating temperature: -40°C ÷ 100°C

Colour: grey RAL7035



METRIC THREAD

Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PN68M12H	M12 x 1,5	2,5	6,5	8	15	15	50
PN68M16H	M16 x 1,5	3,5	10	10	22	22	50
PN68M20H	M20 x 1,5	5	12	10	24	24	50
PN68M25H	M25 x 1,5	9	18	10	33	33	25
PN68M32H	M32 x 1,5	14	25	10	42	42	20
PN68M40H	M40 x 1,5	18	32	10	53	53	10
PN68M50H	M50 x 1,5	24	38,5	12	60	60	5
PN68M63H	M63 x 1,5	35	48	12	70	70	5

METRIC THREAD with reduction sealing insert

Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PN68M12HR	M12 x 1,5	1,5	5	8	15	15	50
PN68M16HR	M16 x 1,5	2	7	10	22	22	50
PN68M20HR	M20 x 1,5	3	9	10	24	24	50
PN68M25HR	M25 x 1,5	7	16	10	33	33	25
PN68M32HR	M32 x 1,5	11	21	10	42	42	20
PN68M40HR	M40 x 1,5	13	26	10	53	53	10
PN68M50HR	M50 x 1,5	17	31	12	60	60	5
PN68M63HR	M63 x 1,5	26	39	12	70	70	5

METRIC THREAD with long thread

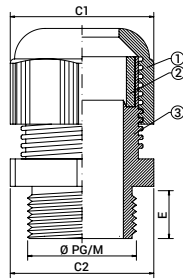
Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PN68M12HL	M12 x 1,5	2,5	6,5	15	15	15	50
PN68M16HL	M16 x 1,5	3,5	10	15	22	22	50
PN68M20HL	M20 x 1,5	5	12	15	24	24	50
PN68M25HL	M25 x 1,5	9	18	15	33	33	25
PN68M32HL	M32 x 1,5	14	25	15	42	42	20
PN68M40HL	M40 x 1,5	18	32	16	53	53	10
PN68M50HL	M50 x 1,5	24	38,5	16	60	60	5
PN68M63HL	M63 x 1,5	35	48	16	70	70	5

Available in black colour RAL9005: add N after the type.



POLYAMIDE PA6 CABLE GLANDS - IP68

High Performance



Degree of protection: IP68 - 5 bar

Material:

• ①/③ polyamide PA6 (self extinguished UL94-V2)

• ② sealing: neoprene 70 shore A

Operating temperature: -40°C ÷ 100°C

Colour: grey RAL7035



PG

Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PN68PG7H	PG7	2,5	6,5	8	15	15	50
PN68PG9H	PG9	2,5	8	8	19	19	50
PN68PG11H	PG11	3,5	10	8	22	22	50
PN68PG13H	PG13,5	5	12	9	24	24	50
PN68PG16H	PG16	7	14	10	27	27	50
PN68PG21H	PG21	9	18	11	33	33	25
PN68PG29H	PG29	14	25	11	42	42	20
PN68PG36H	PG36	18	32	13	53	53	10
PN68PG42H	PG42	24	38,5	13	60	60	5
PN68PG48H	PG48	35	48	14	70	70	5

PG THREAD with reduction sealing insert

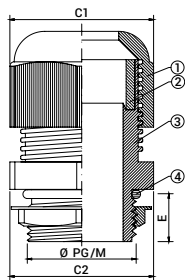
Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PN68PG7HR	PG7	1,5	5	8	15	15	50
PN68PG9HR	PG9	1,5	6	8	19	19	50
PN68PG11HR	PG11	2	7	8	22	22	50
PN68PG13HR	PG13,5	3	9	9	24	24	50
PN68PG16HR	PG16	5	12	10	27	27	50
PN68PG21HR	PG21	7	16	11	33	33	25
PN68PG29HR	PG29	11	21	11	42	42	20
PN68PG36HR	PG36	13	26	13	53	53	10
PN68PG42HR	PG42	17	31	13	60	60	5
PN68PG48HR	PG48	26	39	14	70	70	5

Available in black colour RAL9005: add N after the type



CABLE GLANDS

POLYAMIDE 6.6 CABLE GLANDS - IP68 with locknut



Degree of protection: IP68

Material:

• ①/③ polyamide PA66 (self extinguished UL94-V2)

• ② sealing: nitrile rubber NBR 70 shore A

• ④ o-ring: nitrile rubber NBR 70 shore A

Operating temperature: -40°C ÷ 90°C

Colour: grey RAL7035



METRIC THREAD

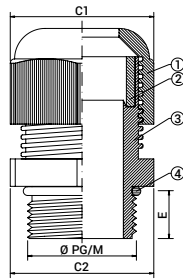
Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PN68M12D	M12 x 1,5	3	6,5	9	16	16	10/100
PN68M16D	M16 x 1,5	4	8	9	19	19	10/100
PN68M20D	M20 x 1,5	6	11	10	24	24	10/50
PN68M25D	M25 x 1,5	11	18	12	33	33	10/50
PN68M32D	M32 x 1,5	16	21	12	36	36	10/50
PN68M40D	M40 x 1,5	20	27	15	45	45	5/25
PN68M50D	M50 x 1,5	28	38	18	60	60	5/25
PN68M63D	M63 x 1,5	37	43	18	68	68	5

PG

Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PN68PG7D	PG7	3	6,5	9	16	16	10/100
PN68PG9D	PG9	4	8	9	19	19	10/100
PN68PG11D	PG11	5	10	9	21	21	10/100
PN68PG13D	PG13,5	6	11	10	24	24	10/50
PN68PG16D	PG16	10	13	10	26	26	10/50
PN68PG21D	PG21	11	18	12	33	33	10/50
PN68PG29D	PG29	18	25	12	42	42	10/50
PN68PG36D	PG36	22	31	16	52	52	5/10
PN68PG42D	PG42	28	38	18	60	60	5
PN68PG48D	PG48	37	43	18	68	68	5



POLYAMIDE 6.6 CABLE GLANDS - IP68



Degree of protection: IP68

Material:

• ①/③ polyamide PA66 (self extinguished UL94-V2)

• ② sealing: nitrile rubber NBR 70 shore A

• ④ o-ring: nitrile rubber NBR 70 shore A

Operating temperature: -40°C ÷ 90°C

Colour: grey RAL7035



METRIC THREAD

Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PN68M12	M12 x 1,5	3	6,5	9	16	16	50
PN68M16	M16 x 1,5	4	8	9	19	19	50
PN68M20	M20 x 1,5	6	11	10	24	24	50
PN68M25	M25 x 1,5	11	18	12	33	33	25
PN68M32	M32 x 1,5	16	21	12	36	36	20
PN68M40	M40 x 1,5	20	27	15	45	45	10
PN68M50	M50 x 1,5	28	38	18	60	60	5
PN68M63	M63 x 1,5	37	43	18	68	68	5

PG

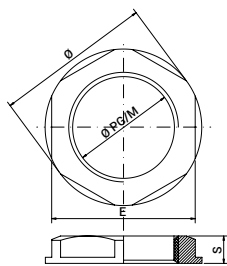
Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PN68PG7	PG7	3	6,5	9	16	16	50
PN68PG9	PG9	4	8	9	19	19	50
PN68PG11	PG11	5	10	9	21	21	50
PN68PG13	PG13,5	6	11	10	24	24	50
PN68PG16	PG16	10	13	10	26	26	50
PN68PG21	PG21	11	18	12	33	33	25
PN68PG29	PG29	18	25	12	42	42	20
PN68PG36	PG36	22	31	16	52	52	10
PN68PG42	PG42	28	38	18	60	60	5
PN68PG48	PG48	37	43	18	68	68	5

Available in black colour RAL9005: add N after the type



CABLE GLANDS

POLYAMIDE 6.6 LOCKNUT PG THREAD



Material:
 • polyamide PA66 (self extinguished UL94-V2)
 Operating temperature: -40°C ÷ 90°C
 Colour: grey 7035



METRIC THREAD

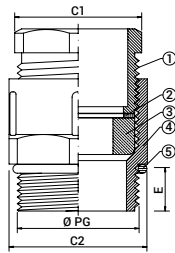
Type	Thread size	E [mm]	S [mm]	Ø [mm]	Pack
DNM12	M12 x 1,5	17	5	19	100
DNM16	M16 x 1,5	22	5	26	100
DNM20	M20 x 1,5	26	6	29	100
DNM25	M25 x 1,5	33	6	36	100
DNM32	M32 x 1,5	41	7	45	50
DNM40	M40 x 1,5	49	7	53	25
DNM50	M50 x 1,5	60	9	67	25
DNM63	M63 x 1,5	74	9	81	10

PG

Type	Thread size	E [mm]	S [mm]	Ø [mm]	Pack
DNPG7	PG7	19	5	21	100
DNPG9	PG9	22	5	24	100
DNPG11	PG11	24	5	26	100
DNPG13	PG13,5	27	6	30	100
DNPG16	PG16	30	6	33	100
DNPG21	PG21	36	7	39	50
DNPG29	PG29	46	7	50	50
DNPG36	PG36	56	8	62	25
DNPG42	PG42	65	8	72	25
DNPG48	PG48	69	9	76	10



POLYAMIDE 6.6 CABLE GLANDS PG THREAD - IP54



Degree of protection: IP54

Material:

- ①/④ polyamide PA6.6 (self extinguished UL94-V2)
 - ③ sealing: Nitrile rubber NBR 70 shore A
 - ② trust ring: galvanized steel
 - ⑤ o-ring: nitrile rubber NBR 70 shore A
- Operating temperature: -40°C ÷ 90°C
Colour: grey RAL7035

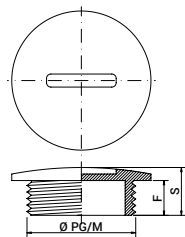


Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PN54PG7	PG7	4,5	5,5	8	12	15	50
PN54PG9	PG9	5	6,5	8	16	19	50
PN54PG11	PG11	6	8,5	8	19	22	50
PN54PG13	PG13,5	8,5	10	9	21	24	50
PN54PG16	PG16	10,5	13	11	22	27	50
PN54PG21	PG21	11	16	11	29	32	25
PN54PG29	PG29	20	25	11	39	42	10
PN54PG36	PG36	26	31	13	49	52	10
PN54PG42	PG42	35	39	13	54	59	5
PN54PG48	PG48	40	44	14	59	65	5



CABLE GLANDS

POLYAMIDE PA6.6 THREADED PLUGS



Material:
 • polyamide+glassfiber (self extinguished UL94 V2)
 Operating temperature: -30°C ÷ 120°C
 Colour: grey RAL7035



METRIC / METRIC THREAD

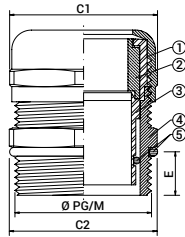
Type	Thread size	Ø [mm]	F [mm]	S [mm]	Pack
TNM12	M12 x 1,5	16,0	6,0	8,0	100
TNM16	M16 x 1,5	20,0	6,0	8,0	100
TNM20	M20 x 1,5	26,0	8,0	10,5	100
TNM25	M25 x 1,5	32,0	8,0	11,0	100
TNM32	M32 x 1,5	40,0	10,0	13,5	40
TNM40	M40 x 1,5	48,0	10,0	14,0	20
TNM50	M50 x 1,5	55,0	12,0	17,0	20
TNM63	M63 x 1,5	70,0	12,0	18,0	10

PG

Type	Thread size	Ø [mm]	F [mm]	S [mm]	Pack
TNPG7	PG7	15,0	6,0	8,0	100
TNPG9	PG9	19,0	6,0	9,0	100
TNPG11	PG11	22,0	6,0	9,0	100
TNPG13	PG13,5	25,0	6,0	9,5	100
TNPG16	PG16	27,0	6,0	9,5	100
TNPG21	PG21	33,0	8,0	11,0	50
TNPG29	PG29	44,0	8,0	12,0	50
TNPG36	PG36	55,0	10,0	15,0	25
TNPG42	PG42	62,0	10,0	16,0	10
TNPG48	PG48	69,0	12,0	18,5	10



BRASS CABLE GLANDS NICKEL PLATED - IP68



Degree of protection: IP68

Material:

- ①/④ nickel-plated brass
- ② sealing: nitrile rubber NBR 70 shore A
- ③ clamping shell: polyamide PA6.6
- ⑤ o-ring: Nitrile rubber NBR 70 shore A

Operating temperature: -40°C ÷ 100°C



METRIC THREAD

Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PO68M12	M12 x 1,5	3	6,5	6	14	14	50
PO68M16	M16 x 1,5	4	8	7	18	18	50
PO68M20	M20 x 1,5	7	11	8	22	22	50
PO68M25	M25 x 1,5	9	15	9	24	27	50
PO68M32	M32 x 1,5	15	20	11	34	34	25
PO68M40	M40 x 1,5	20	26	12	45	45	10
PO68M50	M50 x 1,5	30	37	10	58	58	5
PO68M63	M63 x 1,5	34	44	13	64	68	5

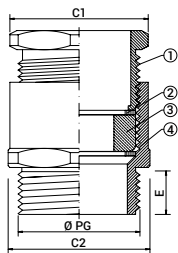
PG

Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PO68PG7	PG7	3	6,5	6	14	14	100
PO68PG9	PG9	4	8	7	18	18	50
PO68PG11	PG11	6,5	9	8	20	20	50
PO68PG13	PG13,5	7	11	9	22	22	50
PO68PG16	PG16	9	15	9	24	24	50
PO68PG21	PG21	11	17	9	30	30	50
PO68PG29	PG29	18	24	10	40	40	25
PO68PG36	PG36	24	32	10	50	50	10
PO68PG42	PG42	30	37	14	58	58	5
PO68PG48	PG48	34	44	12	64	64	5



CABLE GLANDS

BRASS CABLE GLANDS NICKEL PLATED PG THREAD - IP54



Degree of protection: IP54

Material:

- ①/④ nickel-plated brass
 - ③ sealing: nitrile rubber NBR 70 shore A
 - ② trust rings: galvanized steel
- Operating temperature: -40°C ÷ 100°C



Type	Thread size	Clamping range Ø [mm]		E [mm]	C1 [mm]	C2 [mm]	Pack
		min.	max.				
PO54PG7	PG7	5	7	5	13	14	100
PO54PG9	PG9	6	8	6	15	17	50
PO54PG11	PG11	8	10	6	18	20	50
PO54PG13	PG13,5	10	12	6,5	20	22	50
PO54PG16	PG16	12	14	6,5	22	24	25
PO54PG21	PG21	15	17	7	28	30	25
PO54PG29	PG29	24	26	8	37	40	10
PO54PG36	PG36	31	33	9	47	50	10
PO54PG42	PG42	39	41	10	54	57	5
PO54PG48	PG48	44	46	10	60	64	5

GENERAL INFO

Recommended tightening torques

Nominal size „M“	12	16	20	25	32	40	50	63
High performance	1	1,5	2,6	4	4,5	14	14	14
Polyamide	1,5	2	3,5	3,5	3,5	7,5	10	12
Nickel-plated brass	3	5	6	6	7	9	12	12

Nominal size „PG“	7	9	11	13	16	21	29	36	42	48
High performance	1	1,5	2,6	2,6	2,6	4	4,5	14	14	14
Polyamide	1,5	2	2	3,5	3,5	3,5	3,5	7,5	10	12
Nickel-plated brass	3	5	6	6	6	7	9	9	12	12

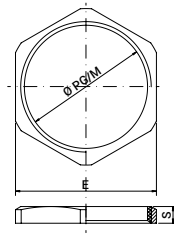
Recommended installation clearance holes

Nominal size „M“	12	16	20	25	32	40	50	63
Clearance Ø in mm	12	16	20	25	32	40,1	50,1	63,1

Nominal size „PG“	7	9	11	13	16	21	29	36	42	48
Clearance Ø in mm	12,8	15,5	18,8	20,9	22,8	28,6	37,4	47,2	54,2	59,5



NICKEL-PLATED BRASS LOCKNUTS



Material:

• nickel-plated brass

Operating temperature: -40°C ÷ 100°C



METRIC THREAD

Type	Thread size	E [mm]	S [mm]	Pack
DOM12	M12 x 1,5	15	3	100
DOM16	M16 x 1,5	19	2,8	100
DOM20	M20 x 1,5	24	3,5	100
DOM25	M25 x 1,5	30	3,5	50
DOM32	M32 x 1,5	35	4,5	20
DOM40	M40 x 1,5	45	4,5	10
DOM50	M50 x 1,5	55	5,5	10
DOM63	M63 x 1,5	70	6	5

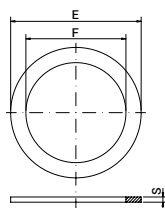
PG

Type	Thread size	E [mm]	S [mm]	Pack
DOPG7	PG7	15	2,9	100
DOTPG9	PG9	18	2,9	100
DOTPG11	PG11	21	2,9	100
DOTPG13	PG13,5	23	3,1	100
DOTPG16	PG16	26	3,1	100
DOTPG21	PG21	32	3,6	100
DOTPG29	PG29	41	4,1	100
DOTPG36	PG36	51	5,1	10
DOTPG42	PG42	60	5,1	10
DOTPG48	PG48	64	5,6	10



CABLE GLANDS

FLAT SEALING



Material:
• neoprene 70 shore A
Operating temperature: -40°C ÷ 100°C

METRIC / METRIC THREAD

Type	Thread size	E [mm]	F [mm]	S [mm]	Pack
GPAM12	M12 x 1,5	15,0	10,0	1,2	100
GPAM16	M16 x 1,5	20,0	13,9	1,2	100
GPAM20	M20 x 1,5	24,0	18,0	1,2	100
GPAM25	M25 x 1,5	30,0	23,0	1,2	100
GPAM32	M32 x 1,5	40,0	30,0	1,5	100
GPAM40	M40 x 1,5	48,0	38,0	1,5	100
GPAM50	M50 x 1,5	58,0	48,0	1,5	100
GPAM63	M63 x 1,5	75,0	61,0	1,5	100

PG

Type	Thread size	E [mm]	F [mm]	S [mm]	Pack
GPAPG7	PG7	17,0	11,3	1,2	100
GPAPG9	PG9	20,0	13,9	1,2	100
GPAPG11	PG11	23,0	17,1	1,2	100
GPAPG13	PG13,5	25,0	19,0	1,2	100
GPAPG16	PG16	27,0	21,0	1,2	100
GPAPG21	PG21	34,0	26,6	1,5	100
GPAPG29	PG29	45,0	35,2	1,5	100
GPAPG36	PG36	56,0	45,2	1,5	100
GPAPG42	PG42	67,0	52,2	1,5	100
GPAPG48	PG48	72,0	57,7	1,5	100



SHRINKING TUBES

Minibox 2:1 black, Type: W 135B



Material: polyolefin, black color, shrinking ratio 2:1
thin-walled
flame-protected (low smoke at burning)

Size (inches)	Inner Ø (mm)		Art. N.	Wall thickness (mm) after shrinking	M in box
	before shrinking	after shrinking			
3/64	1,2	0,6	ICC65047	0,41	15
1/16	1,6	0,8	ICC65050	0,43	15
3/32	2,4	1,2	ICC65053	0,51	15
1/8	3,2	1,6	ICC65056	0,51	15
3/16	4,8	2,4	ICC65059	0,51	10
1/4	6,4	3,2	ICC65062	0,64	10
3/8	9,5	4,8	ICC65065	0,64	10
1/2	12,7	6,4	ICC65068	0,64	5
3/4	19,1	9,6	ICC65071	0,77	5
1	25,4	12,7	ICC65074	0,89	5

Minibox 2:1 green/yellow, Type: W 135B gr/ye



Material: polyolefin, green/yellow color, shrinking ratio 2:1
thin-walled
flame-protected (low smoke at burning)

Size (inches)	Inner Ø (mm)		Art. N.	Wall thickness (mm) after shrinking	M in box
	before shrinking	after shrinking			
3/64	1,2	0,6	ICC65447	0,41	15
1/16	1,6	0,8	ICC65450	0,43	15
3/32	2,4	1,2	ICC65453	0,51	15
1/8	3,2	1,6	ICC65456	0,51	15
3/16	4,8	2,4	ICC65459	0,51	10
1/4	6,4	3,2	ICC65462	0,64	10
3/8	9,5	4,8	ICC65465	0,64	10
1/2	12,7	6,4	ICC65468	0,64	5
3/4	19,1	9,6	ICC65471	0,77	5
1	25,4	12,7	ICC65474	0,89	5

2:1 black, Type: W 135B



Material: polyolefin, black color, shrinking ratio 2:1
thin-walled
flame-protected (low smoke at burning)

Size (inches)	Inner Ø (mm)		Art. N.	Wall thickness (mm) after shrinking	Packing unit m / reel
	before shrinking	after shrinking			
1/16	1,6	0,8	ICC65001	0,4	150
3/32	2,4	1,2	ICC65003	0,5	150
1/8	3,2	1,6	ICC65006	0,5	150
3/16	4,8	2,4	ICC65009	0,5	75
1/4	6,4	3,2	ICC65012	0,6	75
3/8	9,5	4,8	ICC65015	0,6	75
1/2	12,7	6,4	ICC65018	0,6	50
3/4	19	9,5	ICC65021	0,8	30
1	25,4	12,7	ICC65024	0,9	30
1¼	31,8	15,9	ICC65027	0,9	30
1½	38	19	ICC65030	1,0	30

2:1 transparent, Type: W 135 tr



Material: polyolefin, transparent, shrinking ratio 2:1
thin-walled

Size (inches)	Inner Ø (mm)		Art. N.	Wall thickness (mm) after shrinking	Packing unit m / reel
	before shrinking	after shrinking			
1/16	1,6	0,8	ICC65701	0,4	150
3/32	2,4	1,2	ICC65703	0,5	150
1/8	3,2	1,6	ICC65706	0,5	150
3/16	4,8	2,4	ICC65709	0,5	75
1/4	6,4	3,2	ICC65712	0,6	75
3/8	9,5	4,8	ICC65715	0,6	75
1/2	12,7	6,4	ICC65718	0,6	50
3/4	19	9,5	ICC65721	0,8	30
1	25,4	12,7	ICC65724	0,9	30
1¼	31,8	15,9	ICC65727	0,9	30
1½	38	19	ICC65730	1	30

3:1 black, Type: W 135



Material: polyolefin, black color, shrinking ratio 3:1
thin-walled
flame-protected (low smoke at burning)

Size (inches)	Inner Ø (mm)		Art. N.	Wall thickness (mm) after shrinking	Packing unit m / reel
	before shrinking	after shrinking			
1/8	3,2	1	ICC65106	0,55	150
1/4	6,4	2	ICC65112	0,65	75
3/8	9,5	3	ICC65115	0,75	75
1/2	12,7	4	ICC65118	0,75	50
3/4	19	6	ICC65121	0,85	30
1	25,4	8	ICC65124	1	30
1½	39	13	ICC65130	1,15	30

3:1 black, Type: WKS



Material: polyolefin, black color, shrinking ratio 3:1
thin-walled
flame-protected (only outside layer), with adhesive

Inner Ø (mm)		Art. N.	Wall thickness (mm) after shrinking	carton / pcs pcs x 1,22 m
before shrinking	after shrinking			
6	2	ICC65212	1,2	1/10
9	3	ICC65215	1,4	1/10
12	4	ICC65218	1,7	1/10
19	6	ICC65221	2,1	1/10
24	8	ICC65224	2,4	1/10
40	13	ICC65227	2,4	1/10

3:1 black, Type: WDW



Material: polyolefin, black color, shrinking ratio 3:1
thick-walled
not flame-protected, with adhesive

Inner Ø (mm)		Art. N.	Wall thickness (mm) after shrinking	carton / pcs pcs x 1,22 m
before shrinking	after shrinking			
13	4,1	ICC65318	2,4	1/75
19,1	6,1	ICC65321	2,4	1/75
27,9	8,9	ICC65324	3	1/75
38,1	11,9	ICC65325	4,1	1/40
50,8	16	ICC65327	4,1	1/25
68,1	22,1	ICC65330	4,1	1/15
89,9	30	ICC65333*	4,1	1/10
119,9	39,9	ICC65336*	4,3	1/5

3:1 green/yellow, Type: W 135


DEF
STAN
59/97

Material: polyolefin, green/yellow color, shrinking ratio 3:1
thin-walled
flame-protected (low smoke at burning)

Size (inches)	Inner Ø (mm)		Art. N.	Wall thickness (mm) after shrinking	carton / pcs pcs x 1,22 m
	before shrinking	after shrinking			
1/8	3,2	1	ICC65406	0,55	1/25
1/4	6,4	2	ICC65412	0,65	1/10
3/8	9,5	3	ICC65415	0,75	1/10
1/2	12,7	4	ICC65418	0,75	1/10
3/4	19	6	ICC65421	0,85	1/10
1	25,4	8	ICC65424	1	1/10

3:1 blue, Type: W 135


Material: polyolefin, blue color, shrinking ratio 3:1
thin-walled
flame-protected (low smoke at burning)

Size (inches)	Inner Ø (mm)		Art. N.	Wall thickness (mm) after shrinking	carton / pcs pcs x 1,22 m
	before shrinking	after shrinking			
1/8	3,2	1	ICC65506	0,55	1/25
1/4	6,4	2	ICC65512	0,65	1/10
3/8	9,5	3	ICC65515	0,75	1/10
1/2	12,7	4	ICC65518	0,75	1/10
3/4	19	6	ICC65521	0,85	1/10
1	25,4	8	ICC65524	1	1/10

SHRINKING TUBES

2:1 black, Type: WHF



DEF
STAN
59/97

Material: polyolefin, black color, shrinking ratio 2:1
flame-protected (low smoke at burning)

Size (inches)	Inner Ø (mm)		Art. N.	Wall thickness (mm) after shrinking	Packing unit m / reel
	before shrinking	after shrinking			
1/8	3,2	1,6	ICC65606	0,51	300
3/16	4,8	2,4	ICC65609	0,51	300
1/4	6,4	3,2	ICC65612	0,64	300
3/8	9,5	4,8	ICC65615	0,64	150
1/2	12,7	6,4	ICC65618	0,64	100
3/4	19	9,5	ICC65621	0,76	50
1	25,4	12,7	ICC65624	0,89	50
1½	38	19	ICC65630	1,02	50

Selection Box



Assortment box made of high quality plastic, filled with colored
shrink tubing sections of sizes 1.2 / 0.6 mm - 12.7 / 6.4 mm
in the colors black, red, yellow, blue and white.
For exact content see following table.

Continuous operating temperature: -55 ° C to + 125 ° C
Minimum shrinking temperature: + 110 ° C

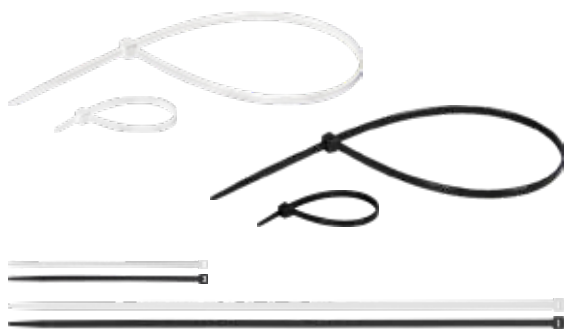
Nr.	Size (inches)	Inner Ø (mm)		Wall thickness (mm) after shrinking	Long mm	Pcs	Color
		before shrinking	after shrinking				
1	3/64	1,2	0,6	0,4	40	each 25	black, yellow, white, red, blue
2	1/16	1,6	0,8	0,4	40	each 25	black, yellow, white, red, blue
3	3/32	2,4	1,2	0,5	40	each 25	black, yellow, white, red, blue
4	1/8	3,2	1,6	0,5	40	each 20	black, yellow, red, blue
5	3/16	4,8	2,4	0,5	40	each 10	black, yellow, red, blue
6	1/4	6,4	3,2	0,6	40	each 5	black, yellow, red, blue
7	3/64	1,2	0,6	0,4	250	5	blue
	1/16	1,6	0,8	0,4	250	5	red
	1/8	3,2	1,6	0,5	250	5	blue
	3/16	4,8	2,4	0,5	250	5	yellow
	1/4	6,4	3,2	0,6	250	5	black
	3/8	9,5	4,8	0,6	250	3	black
8	3/8	9,5	4,8	0,6	125	each 4	yellow, red, blue
9	1/2	12,7	6,4	0,6	125	each 3	yellow, red, blue
Art. N.:							ICC90859



CABLE TIES



POLYAMIDE PA6.6 CABLE TIES



Material: Polyamide PA6.6
Self extinguishing: UL94-V2
Operating temperature: -40°C ÷ + 85°C
Installation temperature: -10°C

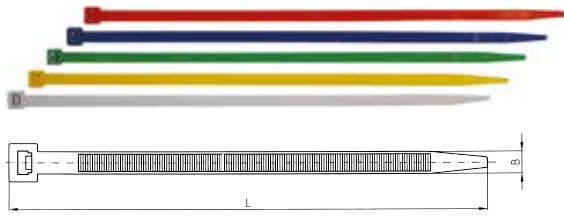
Good resistance to oils and greases, solvents, petroleum products.



Natural Color	Black Color	Width	Length	Max. Bundle Ø	Min. loop tensile	Packaging
Order N..	Order N.	[mm]	[mm]	[mm]	[kg]	
CTB2580	CTN2580	2,5	80	14,0	8	5.000/50.000
CTB2510	CTN2510	2,5	100	20,5	8	5.000/50.000
CTB2512	CTN2512	2,5	120	27,0	8	5.000/25.000
CTB2516	CTN2516	2,5	160	39,8	8	5.000/25.000
CTB2520	CTN2520	2,5	200	52,5	8	2.500/25.000
CTB3614	CTN3614	3,6	140	33,0	18	2.500/25.000
CTB3620	CTN3620	3,6	200	52,5	18	2.500/20.000
CTB3628	CTN3628	3,6	280	78	18	2.500/10.000
CTB3637	CTN3637	3,6	370	106,0	18	2.000/10.000
CTB4612	CTN4612	4,6	120	23,8	22	2.500/20.000
CTB4616	CTN4616	4,6	160	36,6	22	2.000/10.000
CTB4819	CTN4819	4,8	190	46,0	22	2.000/10.000
CTB4820	CTN4820	4,8	200	49,5	22	2.000/10.000
CTB4825	CTN4825	4,8	250	65,0	22	1.500/10.500
CTB4830	CTN4830	4,8	300	81,0	22	1.500/10.500
CTB4836	CTN4836	4,6	360	100	22	1.000/5.000
CTB4839	CTN4839	4,8	390	110,0	22	1.000/5.000
CTB4843	CTN4843	4,8	430	122,5	22	1.000/5.000
CTB7615	CTN7615	7,6	150	35,0	55	1.000/5.000
CTB7620	CTN7620	7,6	200	50,9	55	1.000/5.000
CTB7630	CTN7630	7,6	300	82,8	55	1.000/5.000
CTB7637	CTN7637	7,6	370	103,5	55	500/5.000
CTB7645	CTN7645	7,6	450	130,5	55	100/2.500
CTB7675	CTN7675	7,6	750	226	55	100/1.000
CTB9045	CTN9045	9,0	450	130,5	80	100/2.500
CTB9055	CTN9055	9,0	550	163,5	80	100/1.000
CTB9071	CTN9071	9,0	710	213,3	80	100/1.000
CTB9078	CTN9078	9,0	780	235,5	80	100/1.000
CTB9081	CTN9081	9,0	810	245,0	80	100/1.000
CTB9010	CTN9010	9,0	1020	312,0	80	100/500
CTB9012	CTN9012	9,0	1220	340	80	100/500
CTB9015	CTN9015	9,0	1530	474,5	80	100/500



POLYAMIDE PA6.6 CABLE TIES IN VARIOUS COLOURS



Material: Polyamide 6.6, various colors, halogen-free
Continuous service temperature: -40°C to + 85°C

Length mm	Width mm	Colour	Order N.	Max. Bundle Ø	max. tensile strength Newton	Packing
100	2,5	red	ICC61602	24	100	100
		blue	ICC61604			100
		green	ICC61606			100
		yellow	ICC61608			100
		grey	ICC61610			100
		black	ICC61151			100
140	3,5	natur	ICC61051	36	190	100
		red	ICC61612			100
		blue	ICC61614			100
		green	ICC61616			100
		yellow	ICC61618			100
		grey	ICC61620			100
200	4,5	black	ICC61159	51	270	100
		natur	ICC61059			100
		red	ICC61622			100
		blue	ICC61624			100
		green	ICC61626			100
		yellow	ICC61628			100
280	4,5	grey	ICC61630	76	270	100
		black	ICC61175			100
		natur	ICC61075			100
		red	ICC61632			100
		blue	ICC61634			100
		green	ICC61636			100
		yellow	ICC61638			100
		grey	ICC61640			100
		black	ICC61180			100
		natur	ICC61080			100



CABLE TIES

POLYAMIDE PA6.6 CABLE TIES FOR EXTERNAL USE UV RESISTANT



Material: Polyamide PA6.6. UV resistant
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C

Weather resistance cable ties for outdoor use, high UV resistance.



Order N.	Width [mm]	Length [mm]	Max. Bundle Ø [mm]	Min. loop tensile [kg]	Packaging
CTN9018	9,0	180	40,0	40	5.000
CTN9026	9,0	265	62,0	55	2.500
CTN9036	9,0	360	93,0	55	2.500

AISI 304 STAINLESS STEEL CABLE TIES



Material: AISI 304 stainless steel
Operating temperature: -80°C ÷ +500°C

Good resistance to UV lights, oils, grease, solvents, petroleum products. Non-flammable.



Order N.	Width [mm]	Length [mm]	Max. Bundle Ø [mm]	Min. loop tensile [kg]	Packaging
CTS4615	4,6	150	46,0	90	100/5.000
CTS4620	4,6	200	61,9	90	100/5.000
CTS4629	4,6	290	90,6	90	100/2.500
CTS4636	4,6	360	112,8	90	100/2.500
CTS4652	4,6	520	163,8	90	100/2.000
CTS4668	4,6	680	214,8	90	100/1.000
CTS7920	7,9	200	61,9	150	100/2.500
CTS7929	7,9	290	90,6	150	100/2.000
CTS7936	7,9	360	112,8	150	100/2.000
CTS7952	7,9	520	163,8	150	100/1.000
CTS7968	7,9	680	214,8	150	100/1.000
CTS7984	7,9	840	265,7	150	100/1.000



POLYAMIDE PA6.6 RELEASABLE CABLE TIES



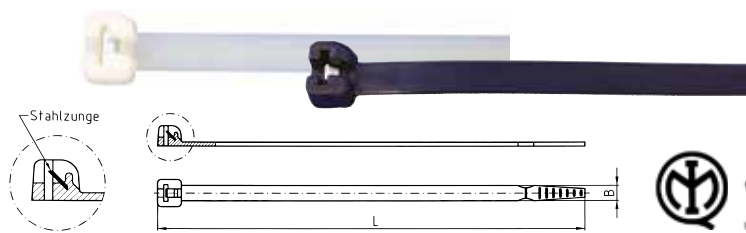
Material: Polyamide PA6.6
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C
With trigger type releasable button

Good resistance to oils and greases, solvents, petroleum products.



Order N.	Width [mm]	Length [mm]	Max. Bundle Ø [mm]	Min. loop tensile [kg]	Packaging
CTR7615	7,6	150	40,3	22	100/5.000
CTR7620	7,6	200	55,6	22	100/5.000
CTR7630	7,6	300	88,1	22	100/5.000

CABLE TIES WITH STEE TONGUE ACC. TO DIN EN 50146 : 2000



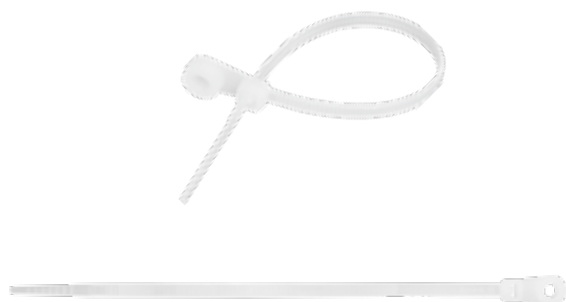
Material: Polyamide 6.6, steel tongue
made of stainless steel, for high tensile strength, halogen-free
Continuous service temperature: -40°C to + 85°C

Length mm	Width mm	Order N.	Colour	Max. Bundle Ø	max. tensile strength Newton	Packing
100	2,5	ICC61251	natur	24	180	100
200		ICC61257		55		100
140	3,5	ICC61259		36	280	100
200		ICC61262		55		100
280		ICC61265		80		100
190	4,5	ICC61275		51	400	100
290		ICC61280		76		100
360		ICC61283		101		100
220	7,5	ICC61291		56	800	50
360		ICC61298		101		50
100	2,5	ICC61351	black	24	180	100
200		ICC61357		55		100
140	3,5	ICC61359		36	280	100
200		ICC61362		55		100
280		ICC61365		80		100
200	4,5	ICC61375		51	400	100
290		ICC61380		76		100
360		ICC61383		101		100
220	7,5	ICC61391		56	800	50
360		ICC61398		101		50



CABLE TIES

POLYAMIDE PA6.6 CABLE TIES WITH MOUNT HEAD



Material: Polyamide PA6.6
Self extinguishing: UL94-V2
Operating temperature: -40°C ÷ + 85°C
Installation temperature: -10°C
With mount head

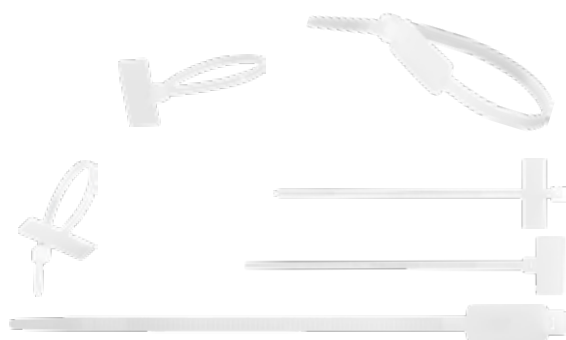
Good resistance to oils and greases, solvents, petroleum products.



Order N.	Width [mm]	Length [mm]	Max. Bundle Ø [mm]	Min. loop tensile [kg]	Ø Fixing hole [mm]	Packaging
CTH2511*	2,5	110	19,0	8	2,5	100/25.000
CTH4820	4,8	200	49,5	22	5	100/10.000
CTH7630	7,6	305	78,7	55	6	100/6.000

* UL Certification not available

POLYAMIDE PA6.6 MARKER CABLE TIES



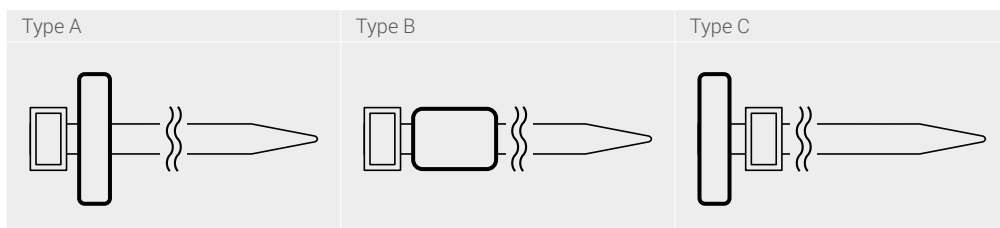
Material: Polyamide PA6.6
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C
With marking plate

Good resistance to oils and greases, solvents, petroleum products.



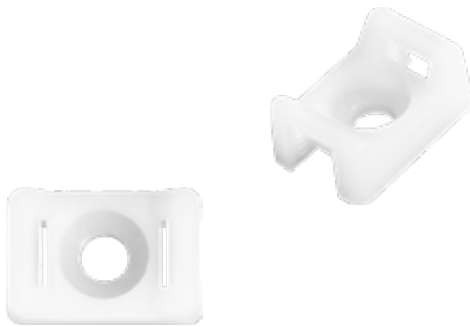
Ref.	Type	Width [mm]	Length [mm]	Max. Bundle Ø [mm]	Min. loop tensile [kg]	Packaging
CTT2510	A	2,5	100	22,0	8	1.000/25.000
CTT2511*	C	2,5	110	22,6	8	1.000/25.000
CTT2520*	A	2,5	200	53,9	8	1.000/20.000
CTT1948*	B	4,8	190	50,9	22	1.000/10.000
CTT2748*	B	4,8	270	74,8	22	1.000/5.000

* UL Certification not available





SCREW MOUNT



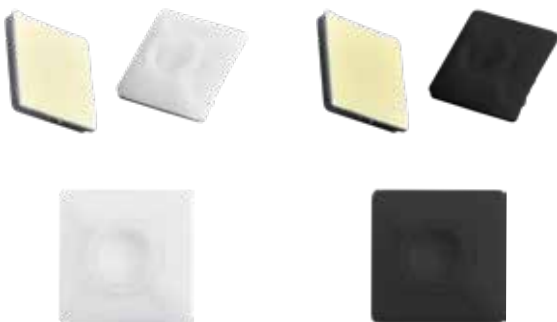
Material: Polyamide PA6.6
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C

Fixing support with screw for cable ties



Order N.	Width [mm]	Length [mm]	Height [mm]	Fixing hole Ø [mm]	Max width cable ties [mm]	Packaging
CTNS1595	15	9,5	6,8	3,3	4,8	1.000/20.000
CTNS2216	22,0	16	9,6	5,2	7,6	1.000/10.000

CABLE TIES MOUNT



Material: Polyamide PA6.6
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C

Adhesive and fixing with screw support for cable ties



Natural Color	Black Color	Width [mm]	Length [mm]	For cable ties max. length [mm]		Packaging
Order N.	Order N.					
CTB1919	CTN1919	19,0	19	3,6	Adhesive	1.000/20.000
CTB2828	CTN2828	28,0	28	4,8	Adhesive	1.000/5.000
CTBS2828*	CTNS2828*	28,0	28	4,8	-	1.000/5.000

* UL Certification not available

CABLE TIES PLUG



Material: Polyamide PA6.6
Self extinguish: UL94V-2
Operating temperature: -40°C ÷ +85°C
Installation temperature: -10°C



Order N.	Diameter [mm]	Length [mm]	For cable ties max. length [mm]	Packaging
CTN0908	8,1	38,1	7,6	1.000/5.000



CABLE TIES



Tool PTF1 for polyamide cable ties

Code	Length	Weight
PTF1	165 mm	0,3 kg

Tool for nylon cable ties with a width up to 4.8 mm. It allows the clamping and cutting of cable ties in a single operation. The clamping force is continuously adjustable. Automatic cutting.



Tool PTF3 for polyamide cable ties

Code	Length	Weight
PTF3	190 mm	0,25 kg

Tool for nylon cable ties with a width up to 9,0 mm. It allows the clamping and cutting of cable ties in a single operation.



Tool PTF7 for stainless steel cable ties

Code	Length	Weight
PTF7	180 mm	0,55 kg

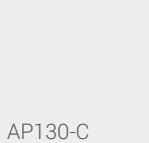
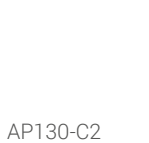
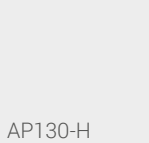
Suitable for stainless steel cable ties with a width of up to 8 mm and thickness up to 0.3 mm. It allows the clamping and cutting of cable ties in a single operation. The clamping force is continuously adjustable. Automatic cutting.



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SERIES 50		 HP50			240 mm ²	50 kN	147-148	166-170
SERIES 60-2/4	 PP60-1	 HP60-3		 AP60-1	240 mm ²	60 kN	149-150	166-170
SERIES 60-2/4	 PP60-2	 HP60-4		 AP60-2	300 mm ²	60 kN	151-152	171-174
SERIES 130-C	 PP130-C	 HPI130-C	 AP130-C		400 mm ²	130 kN	153-154	
SERIE 130-C2	 PP130-C2	 HPI130-C2	 AP130-C2		400 mm ²	130 kN	155-156	175-179
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SERIE 230	 PP230				630 mm ²	230 kN	159	180-182
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*depending on type and size of terminals used

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