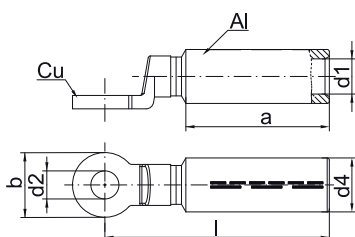




Compression cable lugs, Al/Cu



- ▶ For non-tension connections of aluminium conductors to EN 60228 and aluminium cables to DIN EN 50182
- ▶ Tube dimension to DIN 46329
- ▶ For pre-tounded sector shaped conductors
- ▶ With code number for clear tool assignment
- ▶ Filled with contact grease for optimum crimp results
- ▶ Friction welding connection to prevent galvanic corrosion

Characteristics

- For connecting non-tensioned aluminium conductors to copper connections in humid environments and outdoors
- Barrier design with oil stop and solid copper palm
- With crimp markings for correct crimp positioning
- Internal chamfer for simple cable insertion

Material

- E-aluminium
- Copper (EN13600)

Surface

- Bright

Technical instructions

- Tool: see page 1.101
- You will find further information on the cable descriptions in the technical appendix, page i-6

Additional information

- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded

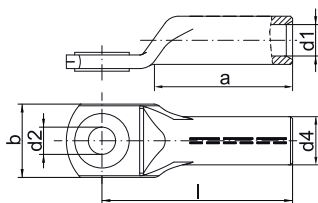
Size of bolt dia.	Part No.	Nominal cross section mm ²		Code	Dimension mm						Number of crimps		Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
		rm/sm	re/se		a	b	d1	d2	d4	l	Al (7 mm)	Al (wide)			
M 8	363R8	16	25	12	34	24	6.0	8.5	12	68	4	2	4.4	5.9	10
M 10	363R10	16	25	12	34	24	6.0	10.5	12	68	4	2	4.2	5.7	10
M 8	364R8	25	35	12	34	24	6.8	8.5	12	68	4	2	4.4	5.8	10
M 10	364R10	25	35	12	34	24	6.8	10.5	12	68	4	2	4.2	5.6	10
M 12	364R12	25	35	12	34	24	6.8	13.0	12	68	4	2	3.9	5.3	10
M 8	365R8	35	50	14	43	24	8.0	8.5	14	77	5	2	4.4	6.3	10
M 10	365R10	35	50	14	43	24	8.0	10.5	14	77	5	2	4.2	6.1	10
M 12	365R12	35	50	14	43	24	8.0	13.0	14	77	5	2	3.8	5.8	10
M 8	366R8	50	70	16	43	25	9.8	8.5	16	77	5	2	4.4	6.4	10
M 10	366R10	50	70	16	43	25	9.8	10.5	16	77	5	2	4.2	6.2	10
M 12	366R12	50	70	16	43	25	9.8	13.0	16	77	5	2	3.9	5.9	10
M 8	367R8	70	95	18	52	25	11.2	8.5	18.5	84.5	6	3	3.9	6.9	10
M 10	367R10	70	95	18	50	25	11.2	10.5	18.5	85	6	3	4.2	7.4	10
M 12	367R12	70	95	18	50	25	11.2	13.0	18.5	85	6	3	3.9	7.1	10
M 8	368R8	95	120	22	56	30	13.2	8.5	22	90.5	6	3	4.1	8.0	5
M 10	368R10	95	120	22	50.5	30	13.2	10.5	22	90.5	6	3	7.4	11.4	10
M 12	368R12	95	120	22	50.5	30	13.2	13.0	22	90.5	6	3	6.8	10.8	10
M 16	368R16	95	120	22	50.5	30	13.2	17.0	22	90.5	6	3	6.4	10.4	10
M 8	369R8	120	150	22	50.5	30	14.7	8.5	23	95	6	3	3.9	8.3	5
M 10	369R10	120	150	22	50.5	30	14.7	10.5	23	92	6	3	6.1	11.5	5
M 12	369R12	120	150	22	50.5	30	14.7	13.0	23	92.0	6	3	6.8	11.4	5
M 16	369R16	120	150	22	50.5	30	14.7	17.0	23	92.0	6	3	6.4	10.8	5
M 8	370R8	150	185	25	62	30	16.3	8.5	25	104	6	3	7	13.3	5
M 10	370R10	150	185	25	62	30	16.3	10.5	25	104	6	3	6.8	13.6	5
M 12	370R12	150	185	25	62	30	16.3	13.0	25	104.0	6	3	6.8	13.1	5
M 16	370R16	150	185	25	62	30	16.3	17.0	25	104.0	6	3	6.4	12.7	5

see next page

Compression cable lugs, Al/Cu

Size of bolt dia.	Part No.	Nominal cross section mm ²		Code	Dimension mm						Number of crimps		Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
		rm/sm	re/se		a	b	d1	d2	d4	l	Al (7 mm)	Al (wide)			
M 8	371R8	185	240	28	62	30	18.3	8.5	28.5	105	6	3	11.3	19.4	5
M 10	371R10	185	240	28	62	30	18.3	10.5	28.5	105.5	6	3	10.3	18.6	5
M 12	371R12	185	240	28	62	35	18.3	13.0	28.5	105.5	6	3	10.1	18.4	5
M 16	371R16	185	240	28	62	35	18.3	17.0	28.5	105.5	6	3	9.3	17.6	5
M 20	371R20	185	240	28	62	35	18.3	21.0	28.5	105.5	6	3	10.1	18.4	5
M 10	372R10	240	300	32	72	35	21.0	10.5	32	118.5	8	3	12.1	22.5	5
M 12	372R12	240	300	32	72	35	21.0	13.0	32	118.5	8	3	11.8	22.2	5
M 16	372R16	240	300	32	72	35	21.0	17.0	32	118.5	8	3	11.0	21.4	5
M 20	372R20	240	300	32	72	35	21.0	21.0	32	118.5	8	3	10.1	20.5	5
M 10	373R10	300	--	34	72	36	23.3	10.5	34	124	8	3	14.3	27.2	2
M 12	373R12	300	--	34	72	36	23.3	13.0	34	124	8	3	17.7	33.7	2
M 16	373R16	300	--	34	72	36	23.3	17.0	34	124	8	3	16.9	32.9	2
M 20	373R20	300	--	34	72	40	23.3	21.0	34	124	8	3	16.0	32.0	1
M 12	374R12	400	--	38	100	40	26.0	13.0	38.5	150.5	--	4	25.6	37.4	1
M 16	374R16	400	--	38	100	40	--	17	38.5	150.5	--	4	22.1	37.4	1

Compression cable lugs, Al/Cu with Cu eye



- ▶ For non-tension connections of aluminium conductors to EN 60228 and aluminium cables to DIN EN 50182
- ▶ Tube dimension to DIN 46329
- ▶ For pre-rounded sector shaped conductors
- ▶ Unique tool assignment due to coding
- ▶ Filled with contact grease for optimum crimp characteristics

Characteristics

- For connecting non-tension aluminium connections using Cu-washers in humid areas
- With Cu eyelet in screw-on area
- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer

Material

- E-aluminium
- Copper (EN13600)

Surface

- Bright

Technical instructions

- Tool: see page 1.101
- You will find further information on the cable descriptions in the technical appendix, page i-6

Additional information

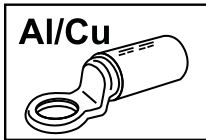
- re = round single solid wire, rm = round multi-stranded, se = sector shaped single solid wire, sm = sector shaped multi-stranded, sector shaped conductors must be pre-rounded

Size of bolt dia.	Part No.	Nominal cross section mm ²		Code	Dimension mm						Number of crimps		Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
		rm/sm	re/se		a	b	d1	d2	d4	l	Al (7 mm)	Al (wide)			
M 6	302R6	10	16	10	32	18	5.0	6.5	10	52	4	2	0.260	1.20	10
M 8	302R8	10	16	10	32	22	5.0	8.5	10	52	4	2	0.580	1.50	10
	303R8	16	25	12	32	22	5.8	8.5	12	52	4	2	0.600	1.95	10
M 10	303R10	16	25	12	32	25	5.8	10.5	12	52	4	2	0.600	2.00	10
M 8	304R8	25	35	12	38	22	7.0	8.5	12	60	4	2	0.625	2.00	10

see next page






























**Compression cable lugs, Al/Cu with Cu eye**

Size of bolt dia.	Part No.	Nominal cross section mm ²		Code	Dimension mm						Number of crimps		Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
		rm/sm	re/se		a	b	d1	d2	d4	l	Al (7 mm)	Al (wide)			
M 10	304R10	25	35	12	38	25	7.0	10.5	12	60	4	2	0.900	2.10	10
	305R10	35	50	14	42	26	8.2	10.5	14	67	5	2	0.800	3.00	10
M 12	305R12	35	50	14	42	30	8.2	13.0	14	67	5	2	1.120	3.10	10
M 10	306R10	50	70	16	45	27	10.0	10.5	16	72	5	2	0.900	3.60	10
M 12	306R12	50	70	16	45	30	10.0	13.0	16	72	5	2	1.120	3.80	10
M 10	307R10	70	95	18	55	29	11.5	10.5	18.5	86	6	3	1.075	5.60	10
M 12	307R12	70	95	18	55	32	11.5	13.0	18.5	86	6	3	1.300	5.70	10
M 10	308R10	95	120	22	55	32	13.5	10.5	22	90	6	3	1.435	10.00	5
M 12	308R12	95	120	22	55	35	13.5	13.0	22	90	6	3	1.735	9.50	5
M 16	308R16	95	120	22	55	38	13.5	17.0	22	90	6	3	2.655	10.00	5
M 12	309R12	120	150	22	55	35	15.0	13.0	23	91	6	3	1.810	8.70	5
M 16	309R16	120	150	22	55	38	15.0	17.0	23	91	6	3	2.230	8.80	5
M 12	310R12	150	185	25	63	35	16.5	13.0	25	103	6	3	2.025	12.20	5
M 16	310R16	150	185	25	63	41	16.5	17.0	25	103	6	3	2.655	12.30	5
M 12	311R12	185	240	28	65	40	18.5	13.0	28.5	106	6	3	2.320	15.00	5
M 16	311R16	185	240	28	65	42	18.5	17.0	28.5	106	6	3	4.975	15.50	5
M 20	311R20	185	240	28	65	46	18.5	21.0	28.5	106	6	3	4.610	15.50	5
M 12	312R12	240	300	32	70	45	21.0	13.0	32	116	8	3	2.750	20.00	5
M 16	312R16	240	300	32	70	45	21.3	17.0	32	116	8	3	3.400	21.00	5
M 20	312R20	240	300	32	70	49	21.3	21.0	32	116	8	3	4.600	22.00	5
M 16	313R16	300	--	34	75	51	23.3	17.0	34	124	8	3	3.980	21.60	1
M 20	313R20	300	--	34	75	51	23.3	21.0	34	124	8	3	5.510	22.20	1
M 16	314R16	400	--	38	95	58	26.25	17.0	38.5	165	--	4	4.200	35.00	1
M 20	314R20	400	--	38	95	58	26.25	21.0	38.5	165	--	4	5.950	35.00	1



Tool application chart

Compression cable lugs and connectors made from Al/Cu
 The tools of the copper side of our Al/Cu compression joints you will find in the tool application chart of copper compression cable lugs and connectors acc. to DIN

Tool type	Crimping range corresponds to nominal cross-section mm ²	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
mechanical, electrical, pneumatic crimping tools with interchangeable die / head	10 rm/sm - 95 re/se	K354		2.24	2.86	
	10 rm/sm - 300 re/se	K22		2.26	2.89	
Hand hydraulic crimping tools	10 rm/sm - 300 re/se	HK12030		2.60	2.94	
		HK12042		2.62	2.94	
		HK120U		2.64	2.94	
		HK6022		2.56	2.89	
Battery powered crimping tools	10 rm/sm - 95 re/se	EK354ML		2.32	2.86	
		EK354		2.36	2.86	
	10 rm/sm - 300 re/se	EK12032		2.46	2.94	
		EK12042		2.48	2.94	
		EK120U		2.50	2.94	
		EK120UNV	+ UA12TKL	6.13	2.94	
		EK135FT	+UA15T	2.52	2.94	
		EK6022		2.40	2.89	
		EK60UNV	+UA22	6.12	2.89	
		EKM6022		2.38	2.89	
	50 - 240	EKM6022IS		4.6	2.89	
		EKM60UNV	+UA22	6.11	2.89	
		EKM60ID*		2.44		
		EKM60IDIS		4.8		
400 - 500	EK135FT	+UA15T	2.52	2.95		
Hydraulic crimping systems	10 rm/sm - 300 re/se	THK120		2.72	2.94	
		THK22		2.68	2.89	
	10 rm/sm - 500	HK252	+25A13	2.78	2.94 + 2.97	
Hydraulic crimping heads	10 - 240	PK60ID*		2.71		
	10 rm/sm - 300 re/se	PK12042		2.72	2.94	
		PK120U		2.74	2.94	
		PK22		2.68	2.89	
		PK60UNV	+UA22	6.10	2.89	
	400 - 500	PK252	+25A13	2.76	2.94 + 2.97	