

■ Compression cable lugs, Al/Cu 16 - 300 mm²

- For screwing aluminium connections using copper washers
- For non-tension connections of Al cables to DIN 48201, part 1 and aluminium cables to DIN EN 50182
- For pre-rounded sector shaped conductors

Characteristics

- Barrier with solid copper screw-on palm
- Tube dimension to DIN 46329
- With markings for correct crimping

Material

- E-Al
- Copper to EN 13600

Surface

- bright

Order info

- sm/se-conductor needs to be pre-rounded!
- rm = round stranded
- sm = sector stranded
- se = sector solid

Cross section mm ²	Size of bolt Ø	Part No.	Code	Dimensions mm				Number of crimps		Weight 100 pcs. ~ kg		pcs.
				rm/sm	se	d1	d2	b	l	mech.	hydr.	
16	M 8	363R8	12	6.0	8.5	25	67.5	4	2	4.4	5.9	10
	M 10	363R10	12	6.0	10.5	25	67.5	4	2	4.2	5.7	10
25	M 8	364R8	12	6.8	8.5	25	67.5	4	2	4.4	5.8	10
	M 10	364R10	12	6.8	10.5	25	67.5	4	2	4.2	5.6	10
	M 12	364R12	12	6.8	13.0	25	67.5	4	2	3.9	5.3	10
35	M 8	365R8	14	8.0	8.5	25	76.5	5	2	4.4	6.3	10
	M 10	365R10	14	8.0	10.5	25	76.5	5	2	4.2	6.1	10
	M 12	365R12	14	8.0	13.0	25	76.5	5	2	3.8	5.8	10
50	M 8	366R8	16	9.8	8.5	25	76.5	5	2	4.4	6.4	10
	M 10	366R10	16	9.8	10.5	25	76.5	5	2	4.2	6.2	10
	M 12	366R12	16	9.8	13.0	25	76.5	5	2	3.9	5.9	10
70	M 10	367R10	18	11.2	10.5	25	84.5	6	3	4.2	7.4	10
	M 12	367R12	18	11.2	13.0	25	84.5	6	3	3.9	7.1	10
95	M 10	368R10	22	13.2	10.5	30	90.5	6	3	7.4	11.4	10
	M 12	368R12	22	13.2	13.0	30	90.5	6	3	6.8	10.8	10
	M 16	368R16	22	13.2	17.0	30	90.5	6	3	6.4	10.4	10
120	M 12	369R12	22	14.7	13.0	30	92.0	6	3	6.8	11.4	5
	M 16	369R16	22	14.7	17.0	30	92.0	6	3	6.4	10.8	5
150	M 12	370R12	25	16.3	13.0	30	104.0	6	3	6.8	13.1	5
	M 16	370R16	25	16.3	17.0	30	104.0	6	3	6.4	12.7	5
	M 20	370R20	25	16.3	21.0	35	107.5	6	3	10.1	16.4	5
185	M 10	371R10	28	18.3	10.5	30	105.0	6	3	10.3	18.6	5
	M 12	371R12	28	18.3	13.0	30	105.0	6	3	10.1	18.4	5
	M 16	371R16	28	18.3	17.0	30	105.0	6	3	9.3	17.6	5
	M 20	371R20	28	18.3	21.0	35	107.5	6	3	10.1	18.4	5

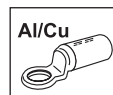
■ **Compression cable lugs, Al/Cu 16 - 300 mm²**

Cross section mm ²		Size of bolt Ø	Part No.	Code	Dimensions mm				Number of crimps		Weight		pcs.
rm/sm	se				d1	d2	b	l	mech.	hydr.	100 pcs. ~ kg Cu	Total	
240	300	M 10	372R10	32	21.0	10.5	35	118.5	8	3	12.1	22.5	5
	300	M 12	372R12	32	21.0	13.0	35	118.5	8	3	11.8	22.2	5
	300	M 16	372R16	32	21.0	17.0	35	118.5	8	3	11.0	21.4	5
	300	M 20	372R20	32	21.0	21.0	35	118.5	8	3	10.1	20.5	5
300	--	M 12	373R12	34	23.3	13.0	40	123.5	8	3	17.7	33.7	1
	--	M 16	373R16	34	23.3	17.0	40	123.5	8	3	16.9	32.9	1
	--	M 20	373R20	34	23.3	21.0	40	123.5	8	3	16.0	32.0	1

► Tool: see chart page 121

■ **Compression cable lugs, Al/Cu 10 - 400 mm²**

- For screwing non-tension aluminium connections using copper washers
- For non-tension connections of Al cables to DIN 48201, part 1 and aluminium cables to DIN EN 50182
- For pre-rounded sector shaped conductors



Characteristics

- With Cu eye in screw-on area
- With markings for correct crimping

Material

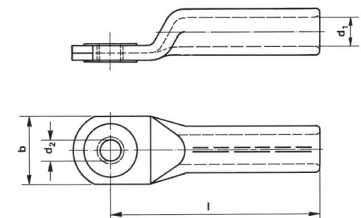
- E-Al
- Copper to EN 13600

Surface

- bright

Order info

- sm/se-conductor needs to be pre-rounded!
- rm = round stranded
- sm = sector stranded
- se = sector solid

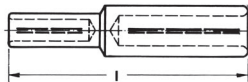
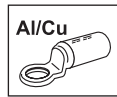


Cross section mm ²		Size of bolt Ø	Part No.	Code	Dimensions mm				Number of crimps		Weight		pcs.
rm/sm	se				d1	d2	b	l	mech.	hydr.	100 pcs. ~ kg Cu	Total	
10	--	M 6	302R6	10	5.0	6.5	18	52	4	2	0.260	1.20	10
	--	M 8	302R8	10	5.0	8.5	22	52	4	2	0.580	1.50	10
16	25	M 8	303R8	12	5.8	8.5	22	52	4	2	0.600	1.95	10
	25	M 10	303R10	12	5.8	10.5	25	52	4	2	0.600	2.00	10
25	35	M 8	304R8	12	6.8	8.5	22	60	4	2	0.625	2.00	10
	35	M 10	304R10	12	6.8	10.5	25	60	4	2	0.900	2.10	10
35	50	M 10	305R10	14	8.0	10.5	26	67	5	2	0.800	3.00	10
	50	M 12	305R12	14	8.0	13.0	30	67	5	2	1.120	3.10	10
50	70	M 10	306R10	16	9.8	10.5	27	72	5	2	0.900	3.60	10
	70	M 12	306R12	16	9.8	13.0	30	72	5	2	1.120	3.80	10
70	95	M 10	307R10	18	11.2	10.5	29	86	6	3	1.075	5.60	10
	95	M 12	307R12	18	11.2	13.0	32	86	6	3	1.300	5.70	10
95	120	M 10	308R10	22	13.2	10.5	32	90	6	3	1.435	10.00	5
	120	M 12	308R12	22	13.2	13.0	35	90	6	3	1.735	9.50	5
	120	M 16	308R16	22	13.2	17.0	38	90	6	3	2.655	10.00	5

■ Compression cable lugs, Al/Cu 10 - 400 mm²

Cross section mm ²		Size of bolt Ø	Part No.	Code	Dimensions mm				Number of crimps		Weight		pcs.
rm/sm	se				d1	d2	b	l	mech.	hydr.	100 pcs. ~ kg Cu	Total	
120	150	M 12	309R12	22	14.7	13.0	35	91	6	3	1.810	8.70	5
	150	M 16	309R16	22	14.7	17.0	38	91	6	3	2.230	8.80	5
150	185	M 12	310R12	25	16.3	13.0	35	103	6	3	2.025	12.20	5
	185	M 16	310R16	25	16.3	17.0	41	103	6	3	2.655	12.30	5
	185	M 20	310R20	25	16.3	21.0	44	103	6	3	3.620	12.80	5
185	240	M 12	311R12	28	18.3	13.0	40	106	6	3	2.320	15.00	5
	240	M 16	311R16	28	18.3	17.0	42	106	6	3	4.975	15.50	5
	240	M 20	311R20	28	18.3	21.0	46	106	6	3	4.610	15.50	5
240	300	M 12	312R12	32	21.0	13.0	45	116	8	3	2.750	20.00	5
	300	M 16	312R16	32	21.0	17.0	45	116	8	3	3.400	21.00	5
	300	M 20	312R20	32	21.0	21.0	49	116	8	3	4.600	22.00	5
300	--	M 16	313R16	34	23.3	17.0	51	124	8	3	3.980	21.60	1
	--	M 20	313R20	34	23.3	21.0	51	124	8	3	5.510	22.20	1
400	--	M 16	314R16	38	26.0	17.0	58	165	--	4	4.200	35.00	1
	--	M 20	314R20	38	26.0	21.0	58	165	--	4	5.950	35.00	1

▶ Tool: see chart page 121



■ Compression joints, Al/Cu 10 - 300 mm²

■ For connecting non-tension aluminium and copper connections

Characteristics

- For non-tension connections of Al cables to DIN 48201, part 1 and aluminium cables to DIN EN 50182 and Cu cables to DIN 48201
- With markings for correct crimping

Material

- E-Al
- Copper to EN 13600

Surface

- bright

Order info

- sm/se-conductor needs to be pre-rounded!
- rm = round stranded
- sm = sector stranded
- se = sector solid

Nominal cross-section mm ²				Part No.	Code		Dimensions mm			Weight		pcs.
rm/sm	Al se	Cu rm/sm	Al		Cu	Al	Cu	l	100 pcs. ~ kg Cu	Total		
10	16	10	322R10	10	6	5.0	4.5	55.0	0.212	1.100	4	
10	16	16	322R16	10	8	5.0	5.4	61.0	0.714	1.550	4	
16	25	10	323R10	12	6	6.0	4.5	55.0	0.212	1.500	4	
16	25	16	323R16	12	8	6.0	5.4	61.0	0.714	1.750	4	
25	35	10	324R10	12	6	6.8	4.5	55.0	0.212	1.400	4	
25	35	16	324R16	12	8	6.8	5.5	61.0	0.714	1.650	4	
25	35	25	324R25	12	10	6.8	7.0	61.0	0.892	1.900	4	
25	35	35	324R35	12	12	6.8	8.2	61.0	1.624	2.000	4	
25	35	50	324R50	12	14	6.8	10.0	72.0	2.362	3.500	4	
25/4	35 re	16	324R416	12	8	7.6	5.5	61.0	0.714	1.600	4	
25/4	35 re	25	324R425	12	10	7.6	7.0	61.0	0.892	1.850	4	

■ **Compression joints, Al/Cu 10 - 300 mm²**

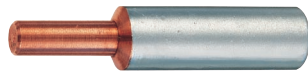
Nominal cross-section mm ²			Part No.	Code		Dimensions mm			Weight		pcs.
Al mm ²	Cu mm ²	Al/Cu		Al	Cu	Al	Cu	l	100 pcs. ~ Cu	kg Total	
35	50	16	325R16	14	8	8.0	5.5	71.0	0.714	2.500	4
35	50	25	325R25	14	10	8.0	7.0	71.0	0.892	2.650	4
35	50	35	325R35	14	12	8.0	8.2	71.0	1.519	3.300	4
35	50	50	325R50	14	14	8.0	10.0	77.0	2.362	3.530	4
35/6	50 re	16	325R616	14	8	9.0	5.5	71.0	0.714	2.450	4
35/6	50 re	25	325R625	14	10	9.0	7.0	71.0	0.892	2.600	4
35/6	50 re	35	325R635	14	12	9.0	8.2	71.0	1.624	3.250	4
50	70	16	326R16	16	8	9.8	5.5	71.5	0.714	2.850	4
50	70	25	326R25	16	10	9.8	7.0	71.5	0.892	3.200	4
50	70	35	326R35	16	12	9.8	8.2	71.5	1.624	3.800	4
50	70	50	326R50	16	14	9.8	10.0	77.5	2.362	4.550	4
70	95	16	327R16	18	8	11.2	5.5	79.0	0.714	4.100	4
70	95	25	327R25	18	10	11.2	7.0	79.0	0.892	3.950	4
70	95	35	327R35	18	12	11.2	8.2	79.0	1.624	4.900	4
70	95	50	327R50	18	14	11.2	10.0	85.0	2.362	5.700	4
70	95	70	327R70	18	16	11.2	11.5	86.0	2.921	7.250	4
70	95	95	327R95	18	18	11.2	13.5	95.0	4.957	9.360	4
70	95	120	327R120	18	20	11.2	15.5	99.0	5.640	10.540	4
95	120	16	328R16	22	8	13.2	5.5	79.0	0.714	6.150	4
95	120	25	328R25	22	10	13.2	7.0	79.0	0.892	6.300	4
95	120	35	328R35	22	12	13.2	8.2	79.0	1.519	6.800	4
95	120	50	328R50	22	14	13.2	10.0	85.0	2.362	8.050	4
95	120	70	328R70	22	16	13.2	11.5	87.0	3.105	8.200	4
95	120	95	328R95	22	18	13.2	13.5	95.0	4.957	10.350	4
95	120	120	328R120	22	20	13.2	15.5	95.0	5.640	11.550	4
120	150	35	329R35	22	12	14.7	8.2	81.0	1.519	7.600	4
120	150	50	329R50	22	14	14.7	10.0	87.0	2.362	7.900	4
120	150	70	329R70	22	16	14.7	11.5	89.0	3.105	8.500	4
120	150	95	329R95	22	18	14.7	13.5	97.0	4.857	11.000	4
120	150	120	329R120	22	20	14.7	15.5	97.0	5.640	10.280	4
150	185	16	330R16	25	8	16.3	5.4	91.5	0.714	7.800	4
150	185	25	330R25	25	10	16.3	6.8	91.5	0.892	8.000	4
150	185	35	330R35	25	12	16.3	8.2	91.5	1.624	8.400	4
150	185	50	330R50	25	14	16.3	10.0	98.5	2.362	10.200	4
150	185	70	330R70	25	16	16.3	11.5	99.5	3.105	10.350	4
150	185	95	330R95	25	18	16.3	13.5	107.5	4.957	12.650	4
150	185	120	330R120	25	20	16.3	15.5	107.5	5.640	13.900	4
150	185	150	330R150	25	22	16.3	17.0	124.0	8.231	16.700	4
185	240	50	331R50	28	14	18.3	10.0	99.0	2.362	12.100	1
185	240	70	331R70	28	16	18.3	11.5	100.0	3.105	13.000	1
185	240	95	331R95	28	18	18.3	13.5	108.0	4.957	14.450	1
185	240	120	331R120	28	20	18.3	15.5	108.0	5.640	13.720	1
185	240	150	331R150	28	22	18.3	17.0	113.0	8.231	19.550	1
185	240	185	331R185	28	25	18.3	19.0	116.0	9.621	21.000	1
240	300	50	332R50	32	14	21.0	10.0	110.0	2.362	16.500	1
240	300	70	332R70	32	16	21.0	11.5	111.0	3.105	18.000	1
240	300	95	332R95	32	18	21.0	13.5	119.0	4.957	19.000	1
240	300	120	332R120	32	20	21.0	15.5	119.0	5.640	20.500	5
240	300	150	332R150	32	22	21.0	17.0	124.0	8.231	23.300	1
240	300	185	332R185	32	25	21.0	19.0	127.0	9.621	25.500	1
240	300	240	332R240	32	28	21.0	21.5	128.0	12.705	30.100	1



■ **Compression joints, Al/Cu 10 - 300 mm²**

Nominal cross-section mm ²			Part No.	Code		Dimensions mm			Weight		pcs.
rm/sm	Al se	Cu rm/sm		Al	Cu	Al	Cu	l	100 pcs. ~ kg Cu	Total	
300	--	120	333R120	34	20	23.5	15.5	119.0	5.640	27.800	1
300	--	150	333R150	34	22	23.5	17.0	124.0	8.234	31.100	1
300	--	185	333R185	34	25	23.5	19.0	127.0	9.621	32.700	1
300	--	240	333R240	34	28	23.5	21.5	128.0	12.705	37.500	1
300	--	300	333R300	34	32	23.5	24.5	134.0	16.099	41.700	1

► Tool: see chart page 121



■ **Compression joints with copper connecting bolt Al 25 - 300 mm²**

- For screwing non-tension Al connections in Cu clamps
- For non-tension connections of Al cables to DIN 48201, part 1 and aluminium cables to DIN EN 50182
- For pre-rounded sector shaped conductors

Characteristics

- With markings for correct crimping

Material

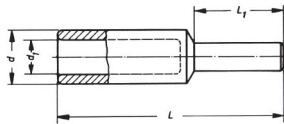
- E-Al
- Copper to EN 13600

Surface

- bright

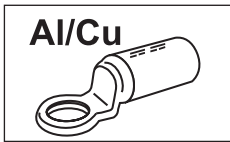
Order info

- sm/se-conductor needs to be pre-rounded!
- rm = round stranded
- sm = sector stranded
- se = sector solid



Cross section mm ²		Part No.	Code	Bolt Ø mm	Conductor n mm	Dimensions mm				Weight 100 pcs. ~ kg		pcs.
rm/sm	se					dØ	d1Ø	l1	l	Cu	Total	
25	35	344R	12	6	6.3	12.0	6.8	20	58	0.462	1.6	10
35	50	345R	14	7	7.5	14.0	8.0	22	71	0.695	2.5	10
50	70	346R	16	8	9.0	16.0	10.0	25	74	1.037	3.3	10
70	95	347R	18	10	10.5	18.5	11.5	30	87	1.958	5.4	10
95	120	348R	22	12	12.5	23.0	13.2	33	91	3.112	8.7	10
120	150	349R	22	12	14.0	23.0	15.0	38	97	3.598	9.0	10
150	185	350R	25	12	15.8	25.5	16.5	38	108	3.598	10.9	10
185	240	351R	28	14	17.5	28.5	18.5	44	116	3.692	15.7	5
240	300	352R	32	16	20.3	32.5	21.5	44	128	7.435	21.8	5
300	--	353R	34	18	22.5	34.5	23.5	46	131	9.410	26.7	1

► Tool: see chart page 121



■ **Tool application chart**

Compression cable lugs and connectors made from Al/Cu

Crimping range corresponds to nominal cross-section mm²	Crimping tools		Tool type						Crimping profile	Page (Tool)	
	Tools	Crimping head/ adapter	Mechanical crimping tools	mechanical, electrical, pneumatic, crimping tools with interchangeable dies/heads	hand hydraulic crimping tools	Battery powered crimping tools	Hydraulic crimping systems	Hydraulic crimping heads			
10-70	EK354					•			⬡	324	
10-185	K18			•					⬡	274	
	HK6018				•				⬡	294	
	EK18PLUS					•			⬡	326	
	PK18							•	⬡	387	
	THK18						•		⬡	358	
	HK60UNV + UA18					•			⬡	309	
	EK60UNV + UA18						•		⬡	347	
	PK60UNV + UA18							•	⬡	405	
10-240	K22			•					⬡	276	
	HK6022				•				⬡	296	
	EK22PLUS					•			⬡	328	
	PK22							•	⬡	389	
	THK22						•		⬡	360	
	HK60UNV + UA22					•			⬡	309	
	EK60UNV + UA22						•		⬡	347	
	PK60UNV + UA22							•	⬡	405	
	HK12025					•			⬡	300	
	HK12042					•			⬡	302	
	HK120U					•			⬡	304	
	EK12025						•		⬡	332	
	EK12042						•		⬡	334	
	EK120UPLUS						•		⬡	336	
	HK122							•	⬡	362	
	HK122EL220							•	⬡	367	
	HK122EL380							•	⬡	367	
	PK12038								•	⬡	393
	PK120U								•	⬡	395
	10-500	HK252						•		⬡	364
HK252EL220							•		⬡	369	
HK252EL380							•		⬡	369	
PK252								•	⬡	397	
150-500	HK45				•				⬡	366	
	PK45							•	⬡	399	

