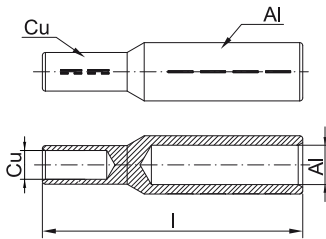


## Compression joints, Al/Cu



- ▶ For non-tension connections of aluminium conductors to DIN EN 60228 and aluminium cables to DIN EN 50182
- ▶ For Cu round conductors, e.g. to DIN EN 60228 Cl. 1, 2, 5 and 6
- ▶ For non-tension copper cables, e.g. to DIN 48201-1
- ▶ For pre-rounded sector shaped conductors
- ▶ Tube dimension to DIN 46235 part 1 and 2
- ▶ With code number for clear tool assignment

### Characteristics

- For connecting non-tension aluminium and copper conductors
- Easy to process due to crimp markings
- Simple cable entry due to internal chamfer

### Material

- E-aluminium
- Copper (EN13600)

### Surface

- Bright

### Technical instructions

- Sleeves for compacted conductors and sleeves for 3-core and 4-core cables, see chapter „Sleeves for compacted conductors and sector shaped conductors - Cu“
- Reduction sleeves for connecting unequal cross-sections can be found on page 68
- Tool: see page 115

### 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

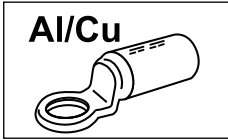
Part No.	Nominal cross section mm <sup>2</sup>			Dimension mm			Code		Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
	Al rm/sm	Al re/se	Cu re/rm/se/sm	l	Inner dia. Al	Inner dia. Cu	Al	Cu			
<b>322R10</b>	10		10	55.0	5.0	4.5	10	6	0.212	1.100	4
<b>322R16</b>	10		16	61.0	5.0	5.4	10	8	0.714	1.550	4
<b>323R10</b>	16		10	55.0	6.0	4.5	12	6	0.212	1.500	4
<b>323R16</b>	16		16	61.0	6.0	5.4	12	8	0.714	1.750	4
<b>324R10</b>	25	35	10	55.0	6.8	4.5	12	6	0.212	1.400	4
<b>324R16</b>	25	35	16	61.0	6.8	5.5	12	8.0	0.714	1.650	4
<b>324R25</b>	25	35	25	63.0	6.8	7.0	12	10	0.892	1.900	4
<b>324R35</b>	25	35	35	63.0	6.8	8.2	12	12.0	1.624	2.000	4
<b>324R50</b>	25	35	50	72.0	6.8	10.0	12	14	2.362	3.500	4
<b>324R416</b>	25/4	35	16	61.0	7.6	5.5	12	8.0	0.714	1.600	4
<b>325R16</b>	35	50	16	71.0	8.0	5.5	14	8.0	0.714	2.500	4
<b>325R25</b>	35	50	25	71.0	8.0	7.0	14	10	0.892	2.650	4
<b>325R35</b>	35	50	35	71.0	8.0	8.2	14	12.0	1.519	3.300	4
<b>325R50</b>	35	50	50	77.0	8.0	10.0	14	14.0	2.362	3.530	4
<b>325R616</b>	35/6	50	16	71.0	9.0	5.5	14	8.0	0.714	2.450	4
<b>325R625</b>	35/6	50	25	71.0	9.0	7.0	14	10	0.892	2.600	4
<b>325R635</b>	35/6	50	35	71.0	9.0	8.2	14	12.0	1.624	3.250	4
<b>326R16</b>	50	70	16	71.5	9.8	5.5	16	8.0	0.714	2.850	4
<b>326R25</b>	50	70	25	71.5	9.8	7.0	16	10	0.892	3.200	4
<b>326R35</b>	50	70	35	71.5	9.8	8.2	16	12.0	1.624	3.800	4
<b>326R50</b>	50	70	50	77.5	9.8	10.0	16	14.0	2.362	4.550	4
<b>327R16</b>	70	95	16	79.0	11.2	5.5	18.5	8.0	0.714	4.100	4

see next page



### Compression joints, Al/Cu

Part No.	Nominal cross section mm <sup>2</sup>			Dimension mm			Code		Weight 100 St. ~kg Cu	Weight 100 St. ~kg total	Packing unit/pcs
	Al rm/sm	Al re/se	Cu re/rm/se/sm	l	Inner dia. Al	Inner dia. Cu	Al	Cu			
<b>327R25</b>	70	95	25	79.0	11.2	7.0	18,5	10	0.892	3.950	4
<b>327R35</b>	70	95	35	79.0	11.2	8.2	18	12	1.624	4.900	4
<b>327R50</b>	70	95	50	85.0	11.2	10.0	18	14	2.362	5.700	4
<b>327R70</b>	70	95	70	85.0	11.2	11.5	18	16	2.921	7.250	4
<b>327R95</b>	70	95	95	95.0	11.2	13.5	18	18	4.957	9.360	4
<b>327R120</b>	70	95	120	99.0	11.2	15.5	18	20	5.640	10.540	4
<b>328R16</b>	95	120	16	79.0	13.2	5.5	22	8	0.714	6.150	4
<b>328R25</b>	95	120	25	79.0	13.2	7.0	22	10	0.892	6.300	4
<b>328R35</b>	95	120	35	79.0	13.2	8.2	22	12	1.519	6.800	4
<b>328R50</b>	95	120	50	85.0	13.2	10.0	22	14	2.362	8.050	4
<b>328R70</b>	95	120	70	87.0	13.2	11.5	22	16	3.105	8.200	4
<b>328R95</b>	95	120	95	95.0	13.2	13.5	22	18	4.957	10.350	4
<b>328R120</b>	95	120	120	95.0	13.2	15.5	22	20	5.640	11.550	4
<b>329R35</b>	120	150	35	81.0	14.7	8.2	22	12	1.519	7.600	4
<b>329R50</b>	120	150	50	87.0	14.7	10.0	22	14	2.362	7.900	4
<b>329R70</b>	120	150	70	89.0	14.7	11.5	22	16	3.105	8.500	4
<b>329R95</b>	120	150	95	97.0	14.7	13.5	22	18	4.857	11.000	4
<b>329R120</b>	120	150	120	97.0	14.7	15.5	22	20	5.640	10.280	4
<b>330R16</b>	150	185	16	95.5	16.3	5.4	25	8	0.714	7.800	4
<b>330R25</b>	150	185	25	95.5	16.3	6.8	25	10	0.892	8.000	4
<b>330R35</b>	150	185	35	95.5	16.3	8.2	25	12	1.624	8.400	4
<b>330R50</b>	150	185	50	98.5	16.3	10.0	25	14	2.362	10.200	4
<b>330R70</b>	150	185	70	99.5	16.3	11.5	25	16	3.105	10.350	4
<b>330R95</b>	150	185	95	107.5	16.3	13.5	25	18	4.957	12.650	4
<b>330R120</b>	150	185	120	107.5	16.3	15.5	25	20	5.640	13.900	4
<b>330R150</b>	150	185	150	114.0	16.3	17.0	25	23	8.231	16.700	4
<b>331R50</b>	185	240	50	99.0	18.3	10.0	28	14	2.362	12.100	1
<b>331R70</b>	185	240	70	100.0	18.3	11.5	28	16	3.105	13.000	1
<b>331R95</b>	185	240	95	108.0	18.3	13.5	28	19	4.957	14.450	1
<b>331R120</b>	185	240	120	108.0	18.3	15.5	28	28	5.640	13.720	1
<b>331R150</b>	185	240	150	113.0	18.3	17.0	28	22	8.231	19.550	1
<b>331R185</b>	185	240	185	116.0	18.3	19.0	28	25	9.621	21.000	1
<b>332R50</b>	240	300	50	110.0	21.0	10.0	32	14	2.362	16.500	1
<b>332R70</b>	240	300	70	111.0	21.0	11.5	32	16	3.105	18.000	1
<b>332R95</b>	240	300	95	119.0	21.0	13.5	32	18	4.957	19.000	1
<b>332R120</b>	240	300	120	119.0	21.0	15.5	32	20	5.640	20.500	1
<b>332R150</b>	240	300	150	124.0	21.0	17.0	32	22	8.231	23.300	1
<b>332R185</b>	240	300	185	127.0	21.0	19.0	32	25	9.621	25.500	1
<b>332R240</b>	240	300	240	128.0	21.0	21.5	32	28	12.705	30.100	1
<b>333R120</b>	300	--	120	119.0	23.5	15.5	34	21	5.640	27.800	1
<b>333R150</b>	300	--	150	124.0	23.5	17.0	34	23,5	8.234	31.100	1
<b>333R185</b>	300	--	185	127.0	23.5	19.0	34	25	9.621	32.700	1
<b>333R240</b>	300	--	240	128.0	23.5	21.5	34	28	12.705	37.500	1
<b>333R300</b>	300	--	300	134.0	23.5	24.5	34	32	16.099	41.700	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 <sup>2</sup>	Crimping Tool		Catalogue page		Crimp profile
		Part No.	Crimping head / adapter	Crimping Tool	Crimping die	
mechanical, electrical, pneumatic crimping tools with interchangeable die / head	10-70	K354		236	317	⬡
	10-185	K18		238	325	⬡
	10-300	K22		240	330	⬡
Hand hydraulic crimping tools	10-185	HK6018		280	325	⬡
		HK60UNV	+UA18	465	325	⬡
	10-300	HK6022		282	330	⬡
		HK60UNV	+UA22	465	330	⬡
		HK12030		286	336	⬡
		HK12042		288	336	⬡
		HK120U		290	336	⬡
Battery powered crimping tools	10-70	EK354ML		250	317	⬡
		EK354		256	317	⬡
	10-185	EK5018		260	325	⬡
		EK60UNV	+UA18	468	325	⬡
		EKM60UNV	+UA18	467	325	⬡
	10-300	EK6022		264	330	⬡
		EKM6022		262	330	⬡
		EK60UNV	+UA22	468	330	⬡
		EKM60UNV	+UA22	467	330	⬡
		EK12032		270	336	⬡
		EK12042		272	336	⬡
		EK120U		274	336	⬡
		EK135FT	+UA15T	276	336	⬡
	EK120UNV	+UA12T	469	336	⬡	
	50-240	EKM60ID		268		⬡
Hydraulic crimping systems	10-185	THK18		294	325	⬡
	10-300	THK22		296	330	⬡
	10-500	HK252	+25A13	308	336 + 340	⬡
	150-500	HK45		309	342	⬡
Hydraulic crimping heads	10-185	PK18		294	325	⬡
		PK60UNV	+UA18	466	325	⬡
	10-300	PK22		296	330	⬡
		PK60UNV	+UA22	466	330	⬡
		PK12042		300	336	⬡
		PK120U		302	336	⬡
	10-500	PK252	+25A13	304	336 + 340	⬡
	150-500	PK45		306	342	⬡