

blue connection®

The connecting system for compacted stranded conductors according to VDE 0295 class 2





Because modern cables are smaller in diameter!

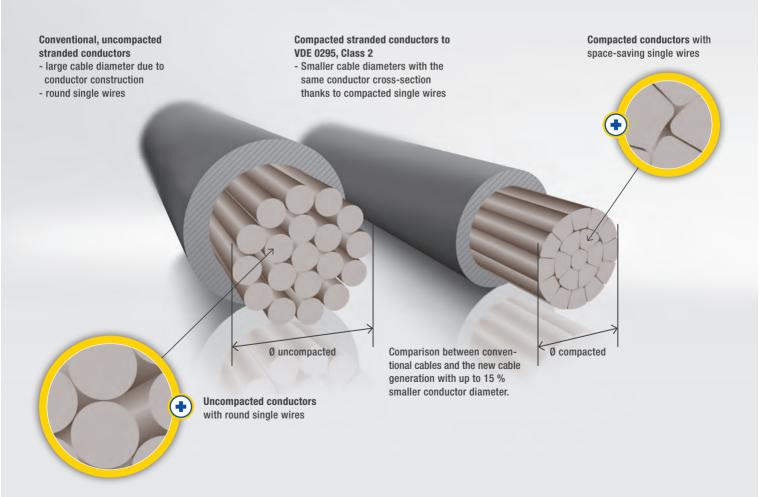
Our solution for compacted stranded conductors.

New cables are up to 15 percent smaller in diameter than before.

Modern compacted stranded conductors are much thinner than their comparable predecessors. So nowadays, cable manufacturers can often save on sheathing and insulation. This difference is not always obvious at first glance. But it does mean that tubular cable lugs and connectors that look as if they fit have too much play and can no longer be crimped as required. In the past, you have only been able to reliably prevent this safety risk using additional sleeves on compacted conductors.

Trend recognised – problem solved:

Klauke's new blue connection® is a special connecting system for compacted stranded conductors to VDE 0295, Class 2. Comprising precision tubular cable lugs from copper and custom-made crimping dies for Klauke's established tools, this development will enable you to work and crimp simply, safely and efficiently.



Clever, Safe, Efficient,

Klauke blue connection® – the clever blue system.

We want to simplify each and every one of your operations.

So we've made our new tubular cable lugs fit perfectly on compacted stranded conductors — without the need for additional sleeves. The blue designation of the system elements ensures a simple, logical application: blue to blue to blue. In practice, this means: the blue crimp markings creates a clear installation system. This simplifies installation and the system with the blue colour theme is immediately recognizable as a matched system.



Cable lug



Crimping die



blue + blue + blue = simply clever

Cable lug with blue crimp info + blue crimping die + blue crimping tool = blue connection®

Clever, Safe, Efficient,

Klauke blue connection® - safely connected.

Safety is of paramount importance at Klauke.

Besides its improved designation system, our blue connection® offers new blue crimp info — enabling you to connect compacted stranded conductors with certainty. This info tells you exactly where, how often and in which direction you have to crimp. So you can reliably prevent bad crimps and simply be safe: blue fits exactly. The extremely compact design with a characteristically shaped radius also ensures that the cable lug is especially stable and safe under vibrations.



blue fits exactly

Clever, Safe, Efficient,

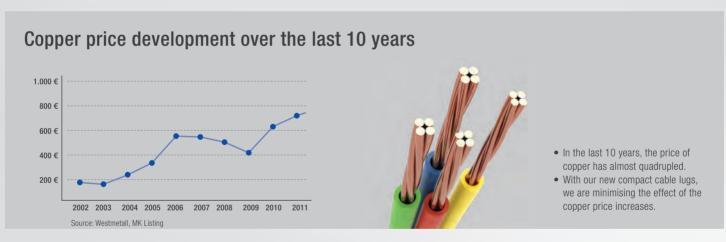
Klauke blue connection® - higher productivity at less effort.

Our mission is to enhance your performance and increase your cost efficiency.

Customers are already reaping multiple benefits from blue connection[®]. With increased productivity, the compact design has reduced material usage by up to 35 %. Given the high price of copper, this creates a significant price advantage.

But blue connection® has other benefits too: Product selection, ordering procedures, storage — everything is faster and easier, so your input is less.

The new crimp geometries with maximum crimp width reduce the number of crimps per cable lug, hence creating distinct time and cost savings. In short: efficient.





Counting on efficiency means choosing blue.

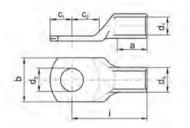


Copper tubular cable lugs and connectors, blue connection® - Cu



Clever. Safe. Efficient







■ Tubular cable lugs, blue connection®

For compacted stranded conductors to VDE 0295, Class 2.



- Easy selection of tool and crimping die by colour coding
- Less crimps due to max. crimp width
- Compact design cuts costs

Characteristics

- Robust design by special shaped radius
- No need for additional sleeves
- Annealed material ensures optimal crimping properties
- Flat contact surface with internal chamfer for easy cable insertion

Material

Copper to EN 13600

Surface

tin plated

Order info

Also available with inspection hole, part number with "ms"

Manainal	D-II					D:					14/-:-I-1/	
Nominal	Bolt			Dimensions mm						Weight/		
cross section	size										100	
	Ø	Dort No	44		ا	40	44	ا ما	-2		pcs.	200
mm ²	Ø	Part No.	d1	a	b	d2	d4	c1	c2		~ kg	pcs.
6	M5	6B5	3.20	9	10.50	5.30	5.00	5.00	6.50	20.50	0.24	50
	M6	6B6	3.20	9	11.00	6.40	5.00	6.00	8.00	22.00	0.26	50
	M8	6B8	3.20	9	12.50	8.40	5.00	8.00	10.00	24.00	0.29	50
	M10	6B10	3.20	9	14.00	10.50	5.00	10.00	11.50	25.50	0.30	50
10	M5	10B5	4.20	9	11.50	5.30	6.20	5.00	6.50	21.00	0.35	50
	M6	10B6	4.20	9	12.00	6.40	6.20	6.00	8.00	22.50	0.39	50
	M8	10B8	4.20	9	14.00	8.40	6.20	8.00	10.00	24.50	0.43	50
	M10	10B10	4.20	9	15.00	10.50	6.20	10.00	11.50	26.00	0.44	50
16	M6	16B6	5.50	10	13.50	6.40	7.70	6.00	8.00	25.00	0.61	50
	M8	16B8	5.50	10	15.00	8.40	7.70	8.00	10.00	27.00	0.65	50
	M10	16B10	5.50	10	16.50	10.50	7.70	10.00	11.50	28.00	0.69	50
	M12	16B12	5.50	10	18.50	13.00	7.70	12.00	13.00	29.50	0.72	50
25	M6	25B6	6.60	10	15.00	6.40	9.00	6.00	8.00	25.50	0.81	25
	M8	25B8	6.60	10	16.00	8.40	9.00	8.00	10.00	27.50	0.88	50
	M10	25B10	6.60	10	18.00	10.50	9.00	10.00	11.50	29.00	0.93	50
	M12	25B12	6.60	10	19.50	13.00	9.00	12.00	13.00	30.50	0.97	25



Copper tubular cable lugs and connectors, blue connection® - Cu

■ Tubular cable lugs, blue connection®

For compacted stranded conductors to VDE 0295, Class 2.

Nominal cross	Bolt size		Dimensions mm					Weight/				
section mm²	Ø	Part No.	d1	а	b	d2	d4	c1	c2		pcs. ~ kg	pcs.
35	M8	35B8	7.70	11	18.00	8.40	10.60	8.00	10.00	29.50	1.34	50
	M10	35B10	7.70	11	19.50	10.50	10.60	10.00	11.50	31.00	1.42	50
	M12	35B12	7.70	11	21.00	13.00	10.60	12.00	13.00	32.50	1.48	25
50	M8	50B8	9.20	11	19.00	8.40	12.40	8.00	10.00	31.00	1.87	25
	M10	50B10	9.20	11	21.00	10.50	12.40	10.00	11.50	32.50	1.95	25
	M12	50B12	9.20	11	23.00	13.00	12.40	12.00	13.00	34.00	2.05	25
70	M8	70B8	11.00	21	22.00	8.40	14.60	8.00	10.00	41.50	3.17	25
	M10	70B10	11.00	21	24.00	10.50	14.60	10.00	11.50	43.00	3.33	25
	M12	70B12	11.00	21	25.00	13.00	14.60	12.00	13.00	44.50	3.46	25
	M16	70B16	11.00	21	28.00	17.00	14.60	15.00	17.00	48.50	3.73	10
95	M10	95B10	13.00	21	26.00	10.50	17.00	10.00	11.50	44.50	4.55	25
	M12	95B12	13.00	21	28.00	13.00	17.00	12.00	13.00	46.00	4.75	25
	M16	95B16	13.00	21	30.00	17.00	17.00	15.00	17.00	50.00	5.01	10
120	M10	120B10	14.50	22	28.00	10.50	19.00	10.00	11.50	47.00	6.02	25
	M12	120B12	14.50	22	29.50	13.00	19.00	12.00	13.00	48.50	6.26	25
	M16	120B16	14.50	22	32.00	17.00	19.00	15.00	17.00	52.50	6.73	10
150	M10	150B10	16.20	22	30.00	10.50	21.00	10.00	11.50	48.50	7.41	10
	M12	150B12	16.20	22	32.00	13.00	21.00	12.00	13.00	50.00	7.71	10
	M16	150B16	16.20	22	34.00	17.00	21.00	15.00	17.00	54.00	8.25	10
	M20	150B20	16.20	22	36.50	21.00	21.00	18.50	21.00	58.00	8.84	10
185	M10	185B10	18.00	24	33.00	10.50	23.00	10.00	11.50	52.00	9.21	10
	M12	185B12	18.00	24	33.00	13.00	23.00	12.00	13.00	53.50	9.43	10
	M16	185B16	18.00	24	36.00	17.00	23.00	15.00	17.00	57.50	10.14	10
	M20	185B20	18.00	24	38.50	21.00	23.00	18.50	21.00	61.50	10.90	10
240	M12	240B12	20.60	24	38.00	13.00	26.00	12.00	13.00	56.00	12.46	10
	M16	240B16	20.60	24	38.00	17.00	26.00	15.00	17.00	60.00	13.24	10
	M20	240B20	20.60	24	41.00	21.00	26.00	18.50	21.00	64.00	14.14	10
300	M12	300B12	23.10	33	41.00	13.00	28.00	12.00	13.00	67.00	14.39	5
	M16	300B16	23.10	33	41.00	17.00	28.00	15.00	17.00	71.00	15.27	5
	M20	300B20	23.10	33	41.00	21.00	28.00	18.50	21.00	75.00	16.20	5
400	M16	400B16	26.10	34	47.00	17.00	32.00	15.00	17.00	74.50	22.16	5
	M20	400B20	26.10	34	47.00	21.00	32.00	18.50	21.00	78.50	23.36	5

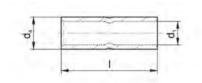


Copper tubular cable lugs and connectors, blue connection® - Cu











Butt-connectors, blue connection®

For compacted stranded conductors to VDE 0295, Class 2.



- Easy selection of tool and crimping die by colour coding
- Less crimps due to max. crimp width
- Compacted design cuts costs

Characteristics

- No need for additional sleeves
- Annealed material ensures optimal crimping properties
- Internal chamfer for easy cable insertion

Material

Copper to EN 13600

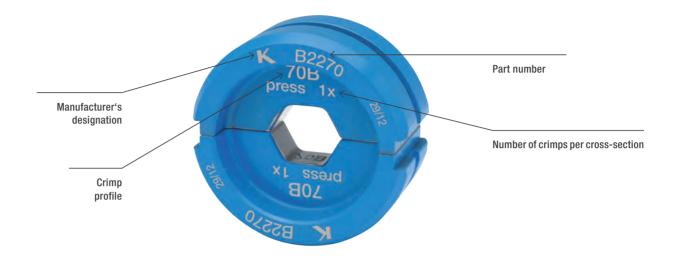
Surface

tin plated

Nominal cross section		Di	mensions m	Weight/ 100 pcs.		
mm²	Part No.	Ø d4	Ø d1		~ kg	pcs.
6	6B	5.00	3.20	25.00	0.255	50
10	10B	6.20	4.20	25.00	0.360	50
16	16B	7.70	5.50	27.00	0.543	50
25	25B	9.00	6.60	27.00	0.699	50
35	35B	10.60	7.70	28.00	1.026	50
50	50B	12.40	9.20	28.00	1.334	25
70	70B	14.60	11.00	48.00	3.065	25
95	95B	17.00	13.00	48.00	3.987	25
120	120B	19.00	14.50	50.00	5.157	25
150	150B	21.00	16.20	52.00	6.379	10
185	185B	23.00	18.00	56.00	7.889	10
240	240B	26.00	20.60	58.00	10.000	10
300	300B	28.00	23.10	76.00	13.079	5
400	400B	32.00	26.10	78.00	18.453	5



Designation system crimping dies



Overview of systems

Dies Series	Crimping range	Battery-operated crimping tools Model (examples)
KlauKe	6 - 150 mm²	EK 35/4
5 KlauKe	6 - 185 mm²	EK 50/5-L
Klauke	6 - 300 mm ²	EK 60/22-L
13 Klauke	16 - 400 mm²	EK 120/42-L Klauke ultra+





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Crimping dies HB 4



Suitable for:



Tubular cable lugs and connectors blue connection® for compacted stranded conductors to VDE 0295, class 2

mm²	Part No.	Crimp width mm	Number of crimps			
6	HB46	9	1			
10	HB410	9	1			
16	HB416	9	1			
25	HB425	9	1			
35	HB435	9	1			
50	HB450	9	1			
70	HB470	5	2			
95	HB495	5	2			
120	HB4120	5	2			
150	HB4150	5	2			
6 - 150	HB4SET	series 4	ng die set "blue connection®", l s of dies in plastic box			





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Crimping dies HB 5



Suitable for:



Tubular cable lugs and connectors blue connection® for compacted stranded conductors to VDE 0295, class 2

mm²	Part No.	Crimp width mm	Number of crimps		
6 + 35	HB5635	9	1		
10 + 50	HB51050	9	1		
16 + 70	HB51670	9	1		
25 + 95	HB52595	9	1		
120	HB5120	5	2		
150	HB5150	5	2		
185	HB5185	5	2		
6 - 185	HB5SET	Crimping die set "blue connection®", series 5 7 pairs of dies in plastic box			



Suitable for:

Crimping dies B 22

stranded conductors to VDE 0295, class 2

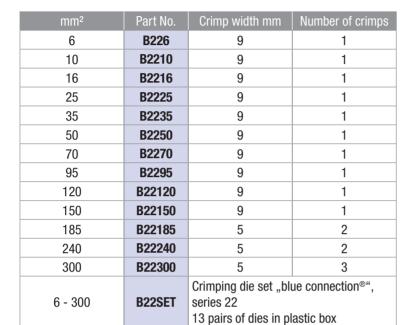












Tubular cable lugs and connectors blue connection® for compacted



Crimping dies HB 13



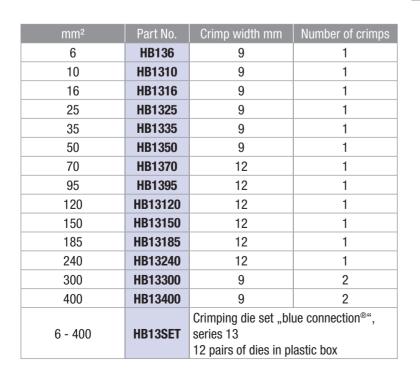






Suitable for:

Tubular cable lugs and connectors blue connection® for compacted stranded conductors to VDE 0295, class 2





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Mechanical crimping and cutting tools

blue connection®

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K 05 BC

Mechanical crimping tool for tubular cable lugs and connectors "blue connection" $6 - 50 \text{ mm}^2$



- Easy selection of the cable lug / connector by colour coding
- For compacted stranded conductors to VDE 0295, class 2

Characteristics

- Hexagonal crimping
- Exact designation of cross section on dies

Technical Data	
Crimping range:	6 - 50 mm²
Length:	390 mm
Weight:	1.1 kg

Item	Part No.
Mechanical crimping tool for tubular cable lugs and conne "blue connection®" 6 - 50 mm²	ctors K05BC





K 06 BC

Mechanical crimping tool for tubular cable lugs and connectors "blue connection" $10 - 120 \text{ mm}^2$



- Easy selection of the cable lug / connector by colour coding
- For compacted stranded conductors to VDE 0295, class 2



- Hexagonal crimping
- Exact designation of cross section on dies

Technical Data	
Crimping range:	10 - 120 mm²
Length:	650 mm
Weight:	2.9 kg

Item	Item-Nr.
Mechanical crimping tool for tubular cable lugs and connectors "blue connection" 10 - 120 mm²	K06BC





Mechanical crimping and cutting tools

K 09 BC

Mechanical crimping tool for tubular cable lugs and connectors "blue connection®" 25 - 150 mm²







blue connection



- Large cross section range up to 150 mm²
- For compacted stranded conductors to VDE 0295, class 2

Characteristics

- Hexagonal crimping
- Exact designation of cross section on dies

Technical Data				
Crimping range:	25 - 150 mm ²			
Length:	650 mm			
Weight:	2.9 kg			

Item	Part No.
Mechanical crimping tool for tubular cable lugs and connectors "blue connection®" 25 - 150 mm²	коэвс



Assortments





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L-BOXX 65BCB

L-BOXX with standard equipment for electricians, wire cross section 6 - $50\ mm^2$

Item	Part No.	
L-BOXX with t tool K05BC "b tool K100 and	LBOXX65BCB	
Scope of supp	pcs.	
K05BC	Mechanical crimping tool for tubular cable lugs and connectors "blue connection®" 6 - 50 mm²	1
K100	Hand-operated cutting tool for Cu and Al cables to Ø 14 mm	1
KL740416	Electricians stripping tool without blade	1
6B6	Tubular cable lugs "blue connection®" M6, 6 mm²	25
6B8	Tubular cable lugs "blue connection®" M8, 6 mm²	25
10B6	Tubular cable lugs "blue connection®" M6, 10 mm²	25
10B8	Tubular cable lugs "blue connection®" M8, 10 mm²	25
16B10	Tubular cable lugs "blue connection®" M10, 16 mm²	25
25B8	Tubular cable lugs "blue connection®" M8, 25 mm²	20
25B10	Tubular cable lugs "blue connection®" M10, 25 mm²	20
35B8	Tubular cable lugs "blue connection®" M8, 35 mm²	20
35B10	Tubular cable lugs "blue connection®" M10, 35 mm²	20
50B10	Tubular cable lugs "blue connection®" M10, 50 mm²	20
LB0XX102L	L-B0XX 442 x 357 x 117 mm	1





Strong brands for your success:



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