Energy Division

Connectors and Fittings for Underground Applications

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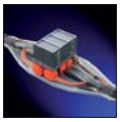
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BOLTED CONNECTORS
BOLTED CABLE LUGS

BOLTED CONNECTORS
BOLTED CABLE LUGS

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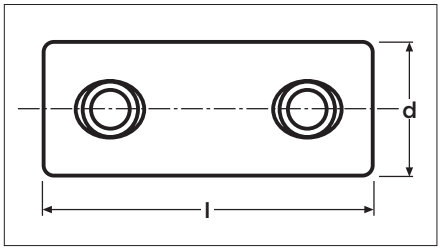
Bolted aluminium connector 1 kV
with 2 shear head screws

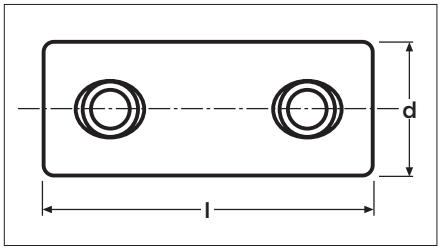


Material: high-strength Al alloy (AlMgSi), tinned
Set screws: brass, tinned

Part no.	Conductor cross-section (mm^2) Al rm	Al re	Cu rm	Cu re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with blind hole								
BSLB-6/25	6 – 25	6 – 25	6 – 25	1.5 – 25	14	40	5	2.7

For low-voltage joints, aluminium and copper conductors, tested according to IEC 61238-1 Class A.
Cross-grooved conductor channels for improved contact

Bolted aluminium connectors 1 kV
with 2 multi shear head screws



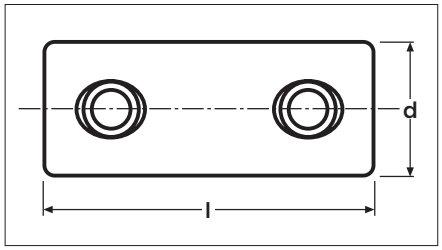
Material: high-strength Al alloy (AlMgSi)
Set screws: brass, tinned

Part no.	Conductor cross-section (mm^2) Al rm	Al re	Al sm	Al se	Cu sm	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with blind hole, uncoated									
BSLB-25/150-SU	25 – 95	25 – 95	25 – 150	25 – 150	25 – 150	28	70	8	13.5
with blind hole, tinned									
BSLB-25/150-S	25 – 95	25 – 95	25 – 150	25 – 150	25 – 150	28	70	8	13.5
with through hole, uncoated									
BSLU-25/150-SU	25 – 95	25 – 95	25 – 150	25 – 150	25 – 150	28	70	8	13.0
with through hole, tinned									
BSLU-25/150-S	25 – 95	25 – 95	25 – 150	25 – 150	25 – 150	28	70	8	13.0

With sector-shaped conductor channels. No rounding of sector-shaped conductors needed.
After removal of the multi shear heads the screws do not overlap more than 2 mm.
For low-voltage joints, aluminium and copper conductors, according to DIN VDE 0220 Part 1.
Outside diameter Al conductor rm: 5.7 – 12.5 mm
Outside diameter Al conductor re: 5.5 – 11.0 mm

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Bolted aluminium connectors 1 kV
with 2 grub screws or 2 shear head screws



Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Set screws: brass (CuZn), electro-tinned
Surface: uncoated for Al conductors, tinned for Cu und Al conductors

Part no. without shear head screw	with screw	Conductor cross-section (mm^2) sm	se	rm	re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with blind hole, uncoated									
4897 T	4897 T-AK	4 – 35	4 – 35	4 – 35	4 – 35	16	40	4	2.3
6897 T	6897 T-AAK	10 – 50	10 – 50	10 – 50	10 – 50	18	40	4/10	3.5
4894 T	4894 T-AK	16 – 50	16 – 50	16 – 50	**	21	55	6	5.1
4896	4896 AK	25 – 70	35 – 95	16 – 70	16 – 95	25	55	5	6.8
4893	4893 AK	25 – 185	35 – 185	35 – 185	10 – 95	32	80	6	16.8
6893	6893 AK	35 – 120	50 – 150	35 – 150	50 – 95	28	75	6	9.4
with blind hole, electro-tinned									
4897 T-Z	4897 T-Z-AK	4 – 35	4 – 35	4 – 35	4 – 35	16	40	4	2.3
6897 T-Z	6897 T-Z-AAK	10 – 50	10 – 50	10 – 50	10 – 50	18	40	4/10	3.5
4894 T-Z	4894 T-Z-AK	16 – 50	16 – 50	16 – 50	**	21	55	6	5.1
4896 Z	4896 Z-AK	25 – 70	35 – 95	16 – 70	16 – 95	25	55	5	6.8
4893 Z	4893 Z-AK	25 – 185	35 – 185	35 – 185	10 – 95	32	80	6	16.8
6893 Z	6893 Z-AK	35 – 120	50 – 150	35 – 150	50 – 95	28	75	6	9.4
with through hole, uncoated									
4897	4897 AK	4 – 35	4 – 50	4 – 35	4 – 50	16	40	4	1.8
6897	6897 AAK	10 – 50	10 – 50	10 – 50	10 – 50	18	40	4/10	3.5
4887	4887 AK	25 – 70	35 – 95	16 – 70	16 – 95	25	55	5	6.5
4888	4888 AK	25 – 185	35 – 185	35 – 185	10 – 95	32	80	6	15.8
6888	6888 AK	35 – 120	50 – 150	35 – 150	50 – 95	28	75	6	8.8
with through hole, electro-tinned									
4897 Z	4897 Z-AK	4 – 35	4 – 50	4 – 35	4 – 50	16	40	4	1.8
6897 Z	6897 Z-AAK	10 – 50	10 – 50	10 – 50	10 – 50	18	40	4/10	3.5
4887 Z	4887 Z-AK	25 – 70	35 – 95	16 – 70	16 – 95	25	55	5	6.5
4888 Z	4888 Z-AK	25 – 185	35 – 185	35 – 185	10 – 95	32	80	6	15.8
6888 Z	6888 Z-AK	35 – 120	50 – 150	35 – 150	50 – 95	28	75	6	8.8

AK = screws can be unscrewed after removal of shear head
** 10 – 35 + 50 Al

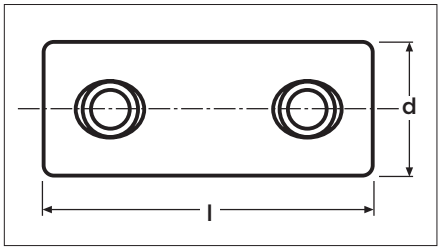
Part no. with shear head screw	Conductor cross-section (mm^2) sm	se	rm	re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with blind hole, uncoated								
4896 AKO	25 – 70	35 – 95	16 – 70	16 – 95	25	55	5	6.8
4893 AKO	25 – 185	35 – 185	35 – 185	10 – 95	32	80	6	16.8
with blind hole, electro-tinned								
4897 T-Z-AKO	4 – 35	4 – 35	4 – 35	4 – 35	16	40	4	2.3
4896 Z-AKO	25 – 70	35 – 95	16 – 70	16 – 95	25	55	5	6.8
4893 Z-AKO	25 – 185	35 – 185	35 – 185	10 – 95	32	80	6	16.8
with through hole, uncoated								
4887 AKO	25 – 70	35 – 95	16 – 70	16 – 95	25	55	5	6.5
4888 AKO	25 – 185	35 – 185	35 – 185	10 – 95	32	80	6	15.8
with through hole, electro-tinned								
4897 Z-AKO	4 – 35	4 – 50	4 – 35	4 – 50	16	40	4	2.3
4887 Z-AKO	25 – 70	35 – 95	16 – 70	16 – 95	25	55	5	6.5
4888 Z-AKO	25 – 185	35 – 185	35 – 185	10 – 95	32	80	6	15.8

AKO = screws cannot be unscrewed after removal of shear head.
Stranded sector-shaped conductor 185mm^2 has to be rounded.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Bolted aluminium connectors 1 kV

with 2 grub screws or 2 shear head screws, with outer insulation



Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Set screws: brass (CuZn), electro-tinned
Insulating sleeve: PVC
Surface: uncoated for Al conductors, tinned for Cu und Al conductors

Part no. without shear head screw	Part no. with shear head screw	Conductor cross-section (mm^2) sm	se	rm	re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with blind hole, uncoated									
4893 I	4893 I-AK	25 – 185	35 – 185	35 – 185	10 – 95	36	84	6	17.5
with blind hole, electro-tinned									
4893 I-Z	4893 I-Z-AK	25 – 185	35 – 185	35 – 185	10 – 95	36	84	6	17.5
with through hole, uncoated									
4888 I	4888 I-AK	25 – 185	35 – 185	35 – 185	10 – 95	36	84	6	16.5
with through hole, electro-tinned									
4888 I-Z	4888 I-Z-AK	25 – 185	35 – 185	35 – 185	10 – 95	36	84	6	16.5

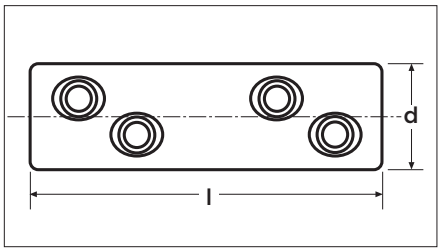
AK = screws can be unscrewed after removal of shear head.
Stranded sector-shaped conductor 185mm^2 has to be rounded.

Part no. with shear head screw	Conductor cross-section (mm^2) sm	se	rm	re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with blind hole, uncoated								
4893 I-AKO	25 – 185	35 – 185	35 – 185	10 – 95	36	84	6	17.5
with blind hole, electro-tinned								
4893 I-Z-AKO	25 – 185	35 – 185	35 – 185	10 – 95	36	84	6	17.5
with through hole, uncoated								
4888 I-AKO	25 – 185	35 – 185	35 – 185	10 – 95	36	84	6	16.5
with through hole, electro-tinned								
4888 I-Z-AKO	25 – 185	35 – 185	35 – 185	10 – 95	36	84	6	16.5

AKO = screws cannot be unscrewed after removal of shear head
Stranded sector-shaped conductor 185mm^2 has to be rounded.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Bolted aluminium connectors 1 kV
with 4 grub screws or 4 shear head screws



Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Set screws: brass (CuZn), electro-tinned
Surface: uncoated for Al conductors, tinned for Cu und Al conductors

Part no. without shear head	with screw	Conductor cross-section (mm^2) sm	se	rm	re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with blind hole, uncoated									
4973	4973 AK	25 – 185	35 – 185	35 – 185	10 – 95 Cu 16 – 185 Al	32	108	6	28,0 29.0
6988 T	6988 T-AK-AS	120 – 185 + 240*	120 – 240	120 – 240	120 – 240	38	128	6	51.0
with blind hole. electro-tinned									
4973 Z	4973 Z-AK	25 – 185	35 – 185	35 – 185	10 – 95 Cu 16 – 185 Al	32	108	6	28.0 29.0
6988 T-Z	6988 T-Z-AK-AS	120 – 185 + 240*	120 – 240	120 – 240	120 – 240	38	128	6	51.0
	6988 T-Z-2AK**	95 – 185 + 240*	50 – 240	35 – 240	50 – 240	38	128	6	51.0
with through hole, uncoated									
4968	4968 AK	25 – 185	35 – 185	35 – 185	10 – 95 Cu 16 – 185 Al	32	108	6	26.0 27.0
6988	6988 AK-AS	120 – 185 + 240*	120 – 240	120 – 240	120 – 240	38	128	6	51.0
with through hole, electro-tinned									
4968 Z	4968 Z-AK	25 – 185	35 – 185	35 – 185	10 – 95 Cu 16 – 185 Al	32	108	6	26.0 27.0
6988 Z	6988 Z-AK-AS	120 – 185 + 240*	120 – 240	120 – 240	120 – 240	38	128	6	51.0

AK = screws can be unscrewed after removal of shear head.
AS = with aluminium bolts
* Stranded sector-shaped conductor 240 mm^2 has to be rounded.
** With multi shear head screws from aluminium.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Set screws: brass (CuZn), electro-tinned
Surface: uncoated for Al conductors, tinned for Cu und Al conductors

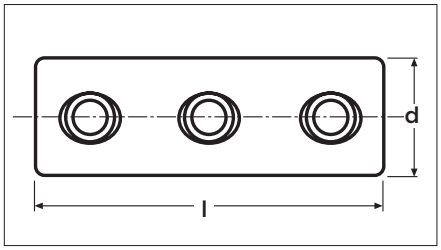
Part no. without shear head	with screw	Conductor cross-section (mm^2) sm	se	rm	re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with blind hole, uncoated									
4973 AK-O		25 – 185	35 – 185	35 – 185	10 – 95 Cu 16 – 185 Al	32	108	6	29.0
with blind hole. electro-tinned									
4973 Z-AK-O		25 – 185	35 – 185	35 – 185	10 – 95 Cu 16 – 185 Al	32	108	6	29.0
with through hole, uncoated									
4968 AK-O		25 – 185	35 – 185	35 – 185	10 – 95 Cu 16 – 185 Al	32	108	6	27.0
with through hole, electro-tinned									
4968 Z-AK-O		25 – 185	35 – 185	35 – 185	10 – 95 Cu 16 – 185 Al	32	108	6	27.0

AK-O = screws cannot be unscrewed after removal of shear head

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Bolted aluminium connectors 1 kV

for branch application with 3 grub screws or 3 shear head screws



Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Set screws: brass (CuZn), electro-tinned
Surface: uncoated for Al conductors, tinned for Cu und Al conductors

Part no. without shear head	Part no. with screw	Conductor cross-section (mm^2) sm	se	rm	re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with blind hole, uncoated									
5893	5893 AK	25 – 150	35 – 185	35 – 185	10 – 95	32	100	6	21.0/22.0
with blind hole, electro-tinned									
5893 Z	5893 Z-AK	25 – 150	35 – 185	35 – 185	10 – 95	32	100	6	21.0/22.0

AK = screws can be unscrewed after removal of shear head.

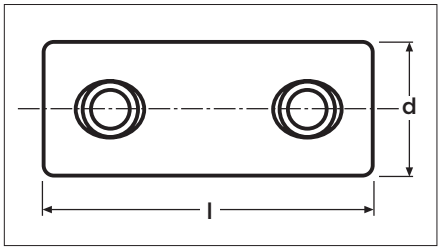
Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Set screws: brass (CuZn), electro-tinned
Surface: uncoated for Al conductors, tinned for Cu und Al conductors

Part no. without shear head	Part no. with screw	Conductor cross-section (mm^2) sm	se	rm	re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with blind hole, uncoated									
5893 L	5893 L-AK	25 – 150	35 – 185	35 – 185	10 – 95	32	140	6	26.0/27.0
without blind hole, electro-tinned									
5893 L-Z	5893 L-Z-AK	25 – 150	35 – 185	35 – 185	10 – 95	32	140	6	26.0/27.0

Long version: 210 mm length on request.
AK = screws can be unscrewed after removal of shear head.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

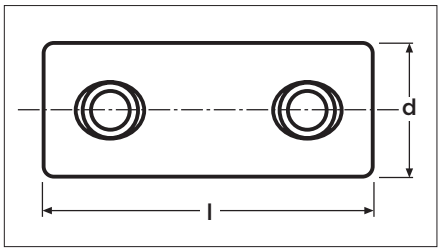
Bolted aluminium connectors 1 kV
with 2 shear head screws



Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Set screws: aluminium, uncoated
Surface: uncoated for Al conductors, tinned for Cu und Al conductors

Part no. with shear head screw	Conductor cross-section (mm^2) sm	se	rm	re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with through hole, uncoated								
4899 AK	4 – 50	4 – 35	4 – 50	4 – 35	16	40	10	2.5
with through hole, electro-tinned								
4899 Z-AK	4 – 50	4 – 35	4 – 50	4 – 35	16	40	10	2.5

Bolted aluminium connectors 1 kV
with 2 grub screws, with pads, with outer insulation

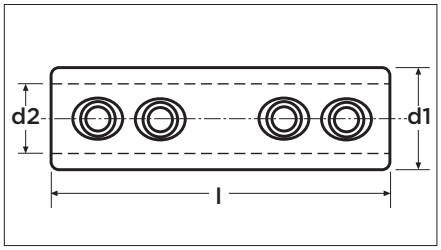


Material: high-strength Al alloy (AlMgSi), corrosion-resistant, electro-tinned
Set screws: brass (CuZn), electro-tinned
Pressure pad: brass (CuZn), electro-tinned
Sleeve: PVC

Part no. without shear head screw	Conductor cross-section (mm^2) sm	se	rm	re	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with through hole, with outer insulation								
4881 Q	35 – 50	35 – 70	10 – 35	10 – 50	32	47	6	8.3
4885 Q	35 – 120	50 – 150	25 – 70	35 – 50	42	54	6	17.0
with through hole, with outer insulation								
4882	35 – 50	35 – 70	10 – 35	10 – 50	28	42	6	6.8
4886	35 – 120	50 – 150	25 – 70	35 – 50	38	49	6	15.5
4886 S	35 – 120	50 – 150	25 – 70	35 – 50	38	60	6	17.5

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

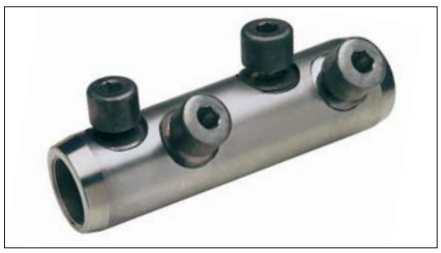
Bolted aluminium connectors 1 kV
with 4 grub screws

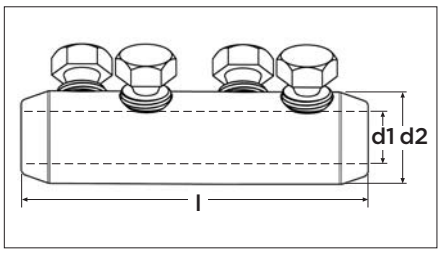


Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Set screws: steel, electro-tinned
Surface: uncoated for Al conductors, tinned for Cu und Al conductors

Part no.	Conductor cross-section (mm^2)			Dimensions (mm)			Wrench size (mm)	Weight (approx. kg) 100 pcs
	se	re		d1	l	d2		
uncoated								
4991		4 – 16	2.2 – 5.0	13	36	10.0	2.5	1.0
4992		16 – 50	4.5 – 7.8	23	62	17.5	4	5.0
4993	50 – 95	50 – 150	7.2 – 15.0	36	77	25.0	6	13.7
electro-tinned								
4991 Z		4 – 16	2.2 – 5.0	13	26	10.0	2.5	1.0
4992 Z		16 – 50	4.5 – 7.8	23	62	17.5	4	5.0
4993 Z	50 – 95	50 – 150	7.2 – 15.0	36	77	25.0	6	13.7

Bolted aluminium connectors 1 kV
with 4 shear head screws





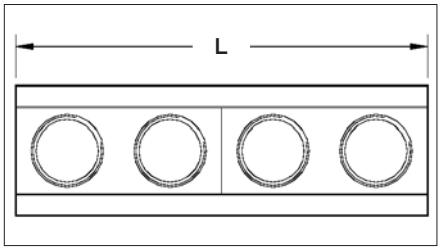
Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Set screws: brass, tinned

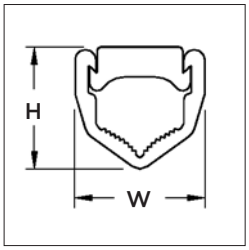
Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Wrench size (mm)	Weight (approx. kg) 100 pcs
	se	sm	re	rm	d1	d2	l		
with inside shear head, with blind hole, electro-tinned									
6997		240		240 – 300	27	38	144	8	58.0
with outside shear head, with blind hole, electro-tinned									
6997.1-AS	150	240		240 – 300	27	38	144	19	58.0
with outside shear head, with through hole, electro-tinned									
6997.1-U-AS	150	240		240 – 300	27	38	144	19	58.0
with outside shear head, with through hole, uncoated									
6997.1-UB-AS	150 – 240	150 – 240		185 – 240	27	38	144	19	58.0

AS = with aluminium bolts

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Underground universal low voltage straight joint connector





Application
- These connectors are intented for connecting low voltage aluminium conductors and copper conductors (with the addition of a simple brass gauze, if required).

Description
- These joint connectors are composed of :
  – Aluminium alloy body .
  – Aluminium alloy shear head bolts.
- UST95 range requires a 13mm socket or spanner to complete the installation. UST185 & UST300 ranges require a 19 mm socket or spanner to complete the installation.

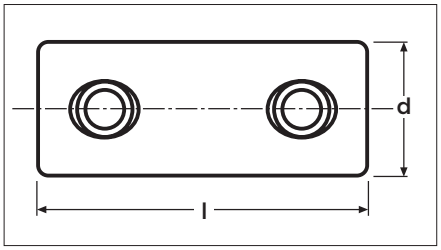
Option
- These connectors are available with special bolts to cover smaller conductors on request.
- Brass gauze can be used to wrap copper conductors, and is recommended for small or loosely compacted conductors.

Specification
- Design to meet BS4579 Part 1 & Part 3 and Engineering Recommendation C79.

Features and benefits
- No heat. No high pressure tooling and dies.
- No pressure plates required:
  – Simple to install.
- Can be used as a transistion connector between cables with different conductor types:
  – Versatile.
- The standard product is supplied with shear head bolts:
  – No need of torque spanner.

B&H existing reference	New B&H reference	PN	RPN	Dimensions (mm) L	H	W	Conductor size range (mm²)	Socket/Spanner (mm)
UST95	022020001	1-1199682-5	249986-000	80	27	26	35 – 95	13
UST185	022020014	2-1199680-8	308710-000	108	33	35	35 – 185	19
UST300	022020029	4-1199671-4	599376-000	108	38	41	70 – 300	19

Bolted brass connectors 1 kV
with 2 grub screws



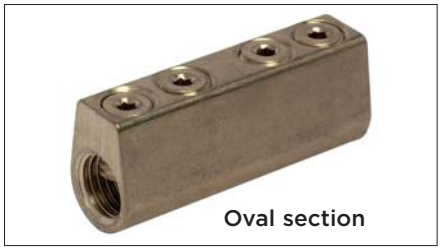
Material: brass (CuZn)
Set screws: steel, electro-tinned
Surface: uncoated or tinned

Part no.	Conductor cross-section (mm^2) re/rm	Dimensions (mm) d	l	Wrench size (mm)	Packaging	Weight (approx. kg) 100 pcs
with through hole, uncoated						
4102.1	1.5 – 6	8	24	2	single	0.85
4102.1-4	1.5 – 6	8	24	2	set of 4	0.85
4898	2.5 – 16	10	30	2.5	single	1.60
4898-4	2.5 – 16	10	30	2.5	set of 4	1.60
with through hole, electro-tinned						
4102.1 Z	1.5 – 6	8	24	2	single	0.85
4102.1 Z-4	1.5 – 6	8	24	2	set of 4	0.85
4102.1 Z-5	1.5 – 6	8	24	2	set of 5	0.85
4898 Z	2.5 – 16	10	30	2.5	single	1.60
4898 Z-1	2.5 – 16	10	30	2.5	set of 1	1.60
4898 Z-4	2.5 – 16	10	30	2.5	set of 4	1.60
4898 Z-5	2.5 – 16	10	30	2.5	set of 5	1.60
with blind hole, uncoated						
4898 T	2.5 – 16	10	30	2.5	single	1.60
with blind hole, electro-tinned						
4898 T-Z	2.5 – 16	10	30	2.5	single	1.60

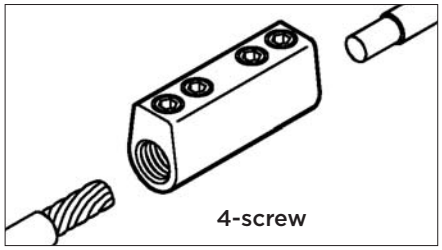
All sets include a hex wrench.
4898xxx types can be used only up to an conductor outside diameter of Ø 4.9 mm.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Underground mechanical brass tunnel connectors from 4 to 60 mm² copper


Oval section

"D" section


4-screw

Application
- These connectors are suitable for connecting a wide range of solid circular aluminium or stranded copper.

Description
- These connectors are composed of:
  - Brass body.
  - Brass screw.
- Connectors are available in both Oval and "D" section variants:
  - Oval section connectors. Grub screws are fully recessed in the connector body.
  - "D" section connectors are sup plied with socket head grub screws. Grub screws may stand proud of the connector body.
  - Available in both water blocked type (suffix W) or through type (suffix T).

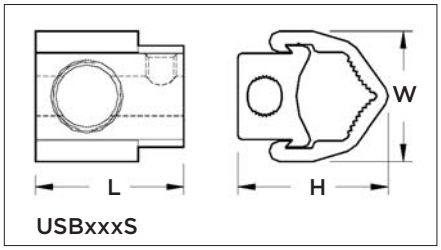
Features and benefits
- For Oval section connectors, grub screws are fully recessed in the connector body:
  - Design especially suitable for use with heat shrinkable sleeving.
- Both Oval and "D" section connectors feature rifled bores:
  - Improved conductivity.

B&H existing reference	New B&H reference	PN	RPN	Conductor c.s.a. (mm²) Stranded copper or aluminium	Solid circular aluminium	Rifled bore Nom. diameter	Standard grub screw size
Oval section connectors							
BTC-1-20T	022040002	1-1199698-3	122596-000	4 – 10**	N/A	8	M6
BTC-1-40T*	022040003	1-1199676-6	517236-000	4 – 25	10 – 35	8	M6
BTC-1-45W	022040004	7-1199664-5	757222-000	4 – 25	10 – 35	8	M6
BTC-2-50T	022040005	0-1199684-7	371936-000	4 – 50	10 – 50	10	M8
BTC-2-55W	022040006	0-1199666-2	720771-000	4 – 50	10 – 50	10	M8
BTC-3-55T	022040009	3-1199690-1	923556-000	4 – 60	10 – 70	11	M10
BTC-3-6OW	022040010	3-1199700-2	036674-000	4 – 60	10 – 70	11	M10
"D" section connectors							
BTC-4-20T	022040012	2-1199676-6	518836-000	4 – 10**	N/A	8	M6
BTC-4-40T	022040013	8-1199689-4	913402-000	4 – 25	10 – 35	8	M6
BTC-4-45W	022040014	0-1199676-4	514458-000	4 – 25	10 – 35	8	M6
BTC-5-50T	022040017	4-1199668-8	709828-000	4 – 50	10 – 50	10	M8
BTC-5-55W	022040019	3-1199666-7	729176-000	4 – 50	10 – 50	10	M8
BTC-6-55T	022040021	2-1199688-3	943894-000	4 – 60	10 – 70	11	M10
BTC-6-6OW	022040023	0-1199688-1	978852-000	4 – 60	10 – 70	11	M10

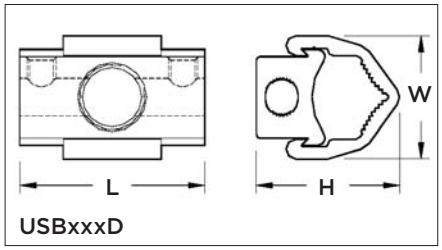
* This connector also available in aluminium (ATC-1-40T).

** These are 2 screw designs where conductors overlap.

Underground universal service branch connector



USBxxxS



USBxxxD

Application
- These connectors are intended for jointing the conductors of service cables up to 35 mm² to the phase conductors of all types of LV mains cables.
- This connectors includes stranded or solid, 120 or 90 degrees sector shaped or round conductors up the maximum cross section for which each size of connector is designed.

Description
- These connectors are composed of:
  - Aluminium alloy body.
  - Aluminium alloy bolts.
- A 3 mm allen key is required to install the service conductor on all connectors. The smaller UBS95 requires a 13 mm socket to install the mains cable, whereas the UBS185 and UBS300 both need a 19 mm socket to complete the installation.

Option
- Brass gauze can be used to wrap copper conductors, and is recommended for small or loosely compacted conductors.

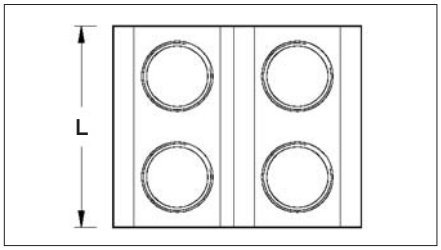
Specification
- Designed to meet the requirements of BS4579 Part 1 and Part 3 and Engineering recommendation C79.

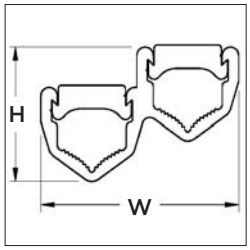
Features and benefits
- No heat. No high pressure tooling or dies:
  - Simple to install.
- Can be installed under live working conditions (following suitable procedures):
  - Simple to install.

B&H existing reference	New B&H reference	PN	RPN	Dimensions (mm)			Conductor size range		Socket/Spanner (mm)
				L	H	W	Min	Max (mm²)	
USB95S	021520005	5-1199684-5	391104-000	32	35	26	35	95	13
USB95D	021520001	5-1199677-9	453938-000	44	35	26	35	95	13
USB185S	021520012	2-1199689-3	964772-000	39	40	35	35	185	19
USB185D	021520008	4-1199669-4	664614-000	51	40	35	35	185	19
USB300S	021520021	0-1199695-5	810400-000	39	45	41	70	300	19
USB300D	021520016	8-1199686-2	351230-000	51	45	41	70	300	19

S: Single
D: Double

Underground universal low voltage branch joint connectors





Application
- These connectors are intended for connecting LV aluminium and copper conductors (with the addition of a simple brass gauze, if required).

Description
- These connectors are composed of:
  – Aluminium alloy body.
  – Aluminium alloy shear head bolts.
- UBR 95 requieres a 13 mm socket or spanner. UBR185 and UBR300 require a 19 mm socket or spanner to complete the installation.
- Bridge pieces for one or two service take offs are available for these connectors.

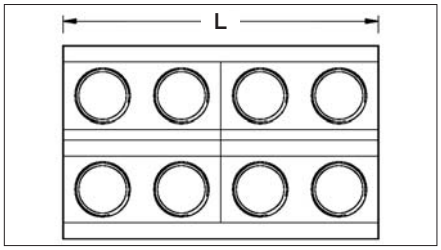
Option
- These connectors are available with special bolts to covers smaller conductors on request.
- Brass gauze can be used to wrap copper conductors, and is recommended for small or loosely compacted conductors.

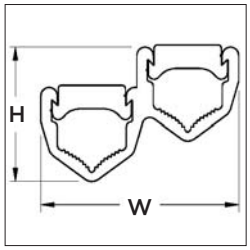
Specification
- Design to meet the requirements of BS4579 Part 1 & Part 3 and Engineering recommendation C79.

Features and benefits
- No heat. No high pressure tooling and dies:
- No pressure plates required:
  – Simple to install.
- Can be used as a transition connector between cables with different conductor constructions types:
  – Versatile.
- The standard product is supplied with shear head bolts:
  – No need of torque spanner.

B&H existing reference	New B&H reference	PN	RPN	Dimensions (mm)			Conductor size range (mm^2)	Socket/Spanner (mm)
				L	H	W		
UBR95	023000001	5-1199666-5	733472-000	40	38	50	35 – 95	13
UBR185	023000011	1-1199701-8	033548-000	54	47	67	35 – 185	19
UBR300	023000024	0-1199678-3	416318-000	54	54	78	70 – 300	19

Underground universal low voltage double branch joint connectors





Application

- These connectors are intended for connecting low voltage aluminium conductors and copper conductors (with the addition of a simple brass gauze, if required) where two cables are to be jointed to the main.
- Can also be used to make off combined straight and branch joints.

Description

- These connectors are composed of:
  - Aluminium alloy body.
  - Aluminium alloy shear head bolts.
- UBRD95 range requires a 13 mm socket or spanner to complete the installation. UBRD185 & UBRD 300 ranges requires a 19 mm socket or spanner to complete the installation.

Specification

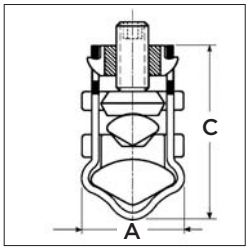
- Design to meet BS4579 Part 1 & Part 3 and Engineering Recommendation C79.

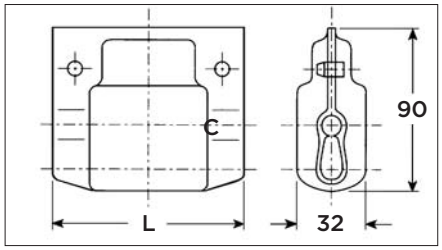
Features and benefits

- No heat. No high pressure tooling and dies.
- No pressure plates required:
  - Simple to install.
- Can be used as a transistion connector between cables with different conductor types:
  - Versatile.
- The standard product is supplied with shear head bolts:
  - No need of torque spanner.

B&H existing reference	New B&H reference	PN	RPN	Dimensions (mm)			Conductor size range (mm^2)	Socket/Spanner (mm)
				L	H	W		
UBRD95	023000040	5-1199666-2	732988-000	80	38	50	35 – 95	13
UBRD185	023000043	2-1199696-9	185992-000	108	47	67	35 – 185	19
UBRD300	023000048	5-1199666-7	733882-000	108	54	78	70 – 300	19

Underground branch connectors, ESU type





Application

- These connectors are used to branch single pole aluminium or copper cables in underground connecting box.

Description

- Branching of the main cable without cutting.
- Stripping of main and tap cables.
- Body in corrosion resistant high strength copper alloy, tin plated.
- Applicable on both rigid stranded or solid conductor.
- Accept circular and V shaped cores.

Features and benefits

Range from: 25 to 240 mm² on main cable. 10 to 150 mm² on tap cable. Aluminium to Aluminium, Aluminium to Copper.	Versatile
An insulated gusset is available for re-insulation inside cast or injected LV standardised accessories.	Allows live line work.
When connector is tightened, bottom shaped develops a spring action ensuring high contact performance.	Reliable.
Compliance with NFC 63061.	

Designation	PN	RPN	Cross Section (mm²)		Dimensions (mm)			Weight (g)	Standard Packaging
			Main	Tap	A	L	C		
ESU 95	0-0710127-1	676478-000	25 – 95	10 – 35	25	32.5	43	105	6
ESU 95+gusset	0-0711724-1	593932-000						155	50
ESU 150	0-0709542-2	987434-000	95 – 240	16 – 70	30	38	49	180	6
ESU 150+gusset	0-0711725-1	344694-000						235	50
ESU 240	0-0709541-1	727908-000	95 – 240	95 – 150	30	79	49	330	6
ESU 240+gusset	0-0711726-1	323402-000						425	25
ESU 240 SIB	0-0709774-1	164806-000	150 – 240	95 – 150	30	158	8	400	1

Note: for the connection of neutrals 50mm² and 70mm² conductors, use ESU95.

Gusset reference	Description	PN	RPN	Dimension L (mm)	Weight (g)	Standard Packaging
ESU 95 and 150	ESU gusset 95/150	0-0716462-1	716340-000	80	–	50
ESU 240	ESU gusset 240	0-0716461-1	119778-000	120	–	25

Mechanical connectors, lugs and repair sleeves for medium voltage cable accessories up to 42 kV

General description

Mechanical connectors, lugs and repair sleeves are designed for use in low and medium voltage applications. Only three sizes cover conductor sizes from 25 mm^2 to 400 mm^2. All products consist of a tin-plated body, shear-head bolts and inserts for small conductor sizes.

Body

Connector and lug bodies are made of a high-tensile, tin-plated aluminium alloy. The internal surfaces of the conductor holes are grooved. Connectors are chamfered at the edges and available with or without oil barrier (as blocked and unblocked types) depending on the application requirements. Lugs are suitable for outdoor and indoor applications and are available with different palm hole sizes.

Contact bolts

Made of a special aluminium alloy, these contact bolts are double shear-head bolts with hexagon heads. The bolts are treated with a highly lubricating agent and equipped with a special contact ring. Contact bolts are irremovable once their heads have been sheared off.

Inserts

Lugs and connectors are provided with inserts for smaller conductors. These inserts have lengthwise striations and a positioning guide.

Mechanical connectors, lugs and repair sleeves for medium voltage cable accessories up to 42 kV

Features & Benefits of mechanical lugs and connectors	Functions
Wide application range	Only three sizes cover conductor cross-sections from 25 mm^2 to 400 mm^2 and can be used for almost every type of conductor and material.
Bodies made of a high-tensile, tin-plated aluminium alloy Bolts made of special aluminium alloy	Good contact properties. Connection between copper and aluminium conductors is possible.
Compact design	Requires little installation space, particularly for large sizes.
Conductor connection hole with crosswise and lengthwise grooves	Good electrical performance. Conductor oxide film is disrupted.
Centered hole and inserts	Conductors of every size are centered. Height of the step between the conductor insulation and connector surface is reduced. Same cut-back length even when centering insert is used. Wires are not distorted when bolts are tightened.
Shear bolts with predetermined shear torque, hexagon head and specially shaped contact ring	No torque wrench necessary. Head shears off when a specific level of torque is applied. High tensile strength.
Lubricated bolts	Reduces friction. Converts tightening torque into contact force for maximum effect.
No elongation during installation	Easier to design relevant accessories.

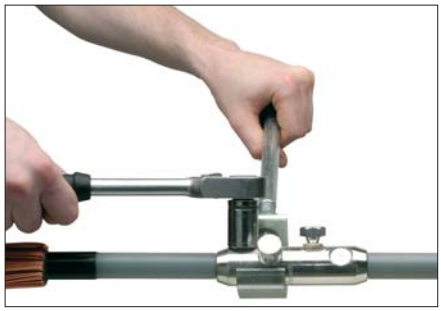
Special features of mechanical connectors	
Chamfered edges	Suitable for up to 42 kV and adaptable to existing joint designs.
Available with and without oil barrier	Oil stop when used in transition joints.

Special features of mechanical lugs	
Long shank	Extra-long for moisture barrier.
Lengthwise seal	For indoor and outdoor applications.

Mechanical connectors, lugs and repair sleeves for medium voltage cable accessories up to 42 kV

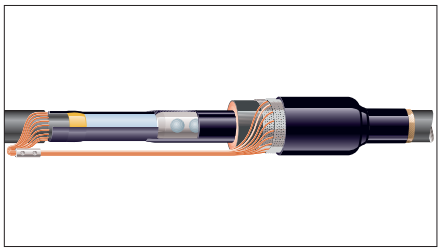
Installation

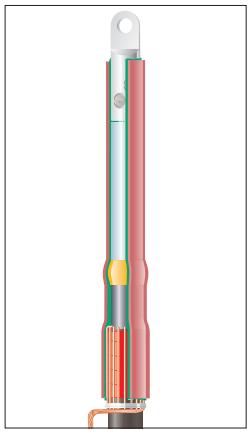
- Easy and secure installation without special tools
- All it takes to tighten bolts is awrench and hexagon socket
- Same cut-back length for each type
- Inserts are included
- Shear head bolts with pre-determined torque ensure a reliable and secure contact
- The use of a support tool is recommended (see accessories) to prevent conductor bending
- Separate installation instructionsincluded with every connector or cable lug



Use in cable accessories

The bolted fittings featured hereinwere developed especially for use in medium voltage cable accessories up to 42 kV. They may also be used in the 1 kV range. Before using mechanical connectors in cable accessories, confirm that they are suitable for the given application and, if necessary, consult the manufacturer. Together with bolted connectors for cable accessories, Tyco Electronics offers an extensive range of cable accessories tested in accordance with CENELEC HD 629.1 and HD 629.2 standard. The range includes all required connectors. Further information are available on request.

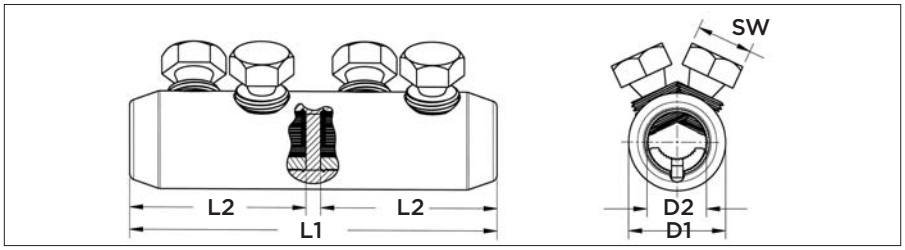




Tested quality

Mechanical connectors and lugs have been tested to IEC 61238-1 class A. Detailed test reports available on request.

Ordering information – Dimensions – Selection tables
Mechanical connectors

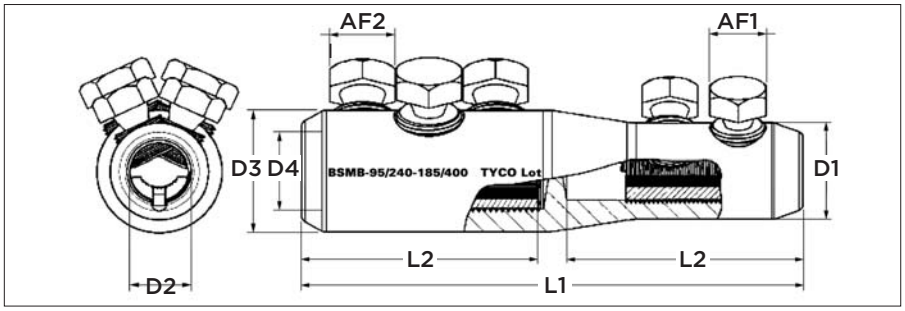


Product reference	Cross-section range (mm²)	Blocked	Dimensions (mm) L1	L2	D1	D2	Contact bolts Quantity	Head size AF (mm)
BSMB-10/35	10 – 35	yes	45	20	19	8.5	2	10
BSM-25/95	25 – 95	yes	65	30	24	12.8	2	13
BSM-25/95-U	25 – 95	no	65	–	24	12.8	2	13
BSMB-35/150	35 – 150	yes	80	35	28	15.8	2	17
BSMU-35/150	35 – 150	no	80	–	28	15.8	2	17
BSM-95/240	95 – 240	yes	125	60	33	20.0	4	19
BSM-95/240-U	95 – 240	no	125	–	33	20.0	4	19
BSMB-95/240-34	95 – 240	yes	125	60	34	22.0	4	19
BSMB-120/300	120 – 300	yes	140	65	37	24.0	4	22
BSMU-120/300	120 – 300	no	140	–	37	24.0	4	22
BSM-185/400	185 – 400	yes	170	80	42	25.5	6	22
BSM-185/400-U	185 – 400	no	170	–	42	25.5	6	22
BSMB-500	500	yes	190	90	46	30.0	6	27
BSMU-500	500	no	190	90	46	30.0	6	27
BSMB-630	630	yes	200	95	50	33.0	6	27
BSMB-800	800	yes	270	130	56	36.0	8	27

Product reference		Application range/Conductor type Al circular stranded	Al circular solid	Al sector stranded	Al sector solid	Cu circular stranded	Cu circular solid	Cu sector stranded
BSM-10/35	Cross-section range (mm²)	10 – 35	10 – 50	10 – 25		10 – 35	10 – 35	10 – 25
	Cross-section range (mm²)			35*				35*
	Conductor diameter (mm)	3.7 – 7.5	3.4 – 7.8			3.7 – 7.5	3.4 – 6.7	
BSM-25/95	Cross-section range (mm²)	25 – 95	25 – 95	25 – 70		16 – 95	10 – 50	25 – 70
BSM-25/95-U	Cross-section range (mm²)			95*				95*
	Conductor diameter (mm)	5.7 – 12.5	5.5 – 11.0			4.8 – 12.5	3.6 – 8.0	
BSMB-35/150	Cross-section range (mm²)	35 – 150	35 – 150	50 – 95	50 – 120	35 – 150	35 – 50	50 – 95
BSMU-35/150	Cross-section range (mm²)			120* – 150*				120* – 150*
	Conductor diameter (mm)	6.8 – 15.0	6.5 – 14.0			6.6 – 15.0	6.5 – 8.0	
BSM-95/240	Cross-section range (mm²)	95 – 240	95 – 240	95 – 150	95 – 150	95 – 240		95 – 150
BSM-95/240-U	Cross-section range (mm²)			185 – 240*	185 (90°)			185 – 240*
	Conductor diameter (mm)	11.0 – 19.2	10.5 – 18.0			11.0 – 19.2		
BSMB-95/240-34	Cross-section range (mm²)	95 – 240	95 – 240	95 – 150	95 – 185	95 – 240		95 – 150
	Cross-section range (mm²)			185* – 240*				185* – 240*
	Conductor diameter (mm)	11.0 – 20.8	10.5 – 18.0			11.0 – 19.2		
BSMB-120/300	Cross-section range (mm²)	120 – 300	150 – 300	120 – 185	120 – 240	120 – 300		120 – 185
BSMU-120/300	Cross-section range (mm²)			240 – 300*				240 – 300*
	Conductor diameter (mm)	12.7 – 23.1	12.9 – 19.8			12.7 – 22.6		
BSM-185/400	Cross-section range (mm²)	185 – 400	185 – 400	185 – 240	185 – 240	185 – 400		185 – 240
BSM-185/400-U	Cross-section range (mm²)			300 – 400	300 (90°)			300 – 400
	Conductor diameter (mm)	15.5 – 24.6	14.8 – 24.6			15.5 – 24.6		
BSMB-500	Cross-section range (mm²)	500	500			500		
BSMU-500	Conductor diameter (mm)	25.3 – 28.9	24.0 – 25.1			25.3 – 28.6		
BSMB-630	Cross-section range (mm²)	630	630			630		
	Conductor diameter (mm)	28.7 – 32.5	27.3 – 28.4			28.7 – 32.5		
BSMB-800	Cross-section range (mm²)	800	800			800		
	Conductor diameter (mm)	32.5 – 35.3	30.9 – 32.1			32.5 – 35.3		

* Pressed round

Ordering information – Dimensions – Selection tables
Reduction connectors



Dimensions

Product reference	Cross-sectional range (mm^2) Side1	(mm^2) Side2	Blocked	Dimensions L1	L2	D1	D2	D3	D4	Contact bolts Quantity Side1	Head size AF (mm) Side1	Contact bolts Quantity Side2	Head size AF (mm) Side2
BSMB 25/95-95/240	25 – 95	95 – 240	yes	125	60	24	12.8	33	20	1	13	2	19
BSMB 95/240-185/400	95 – 240	185 – 400	yes	170	80	33	20	42	25.5	2	19	3	22
BSMB 185/400-500	185 – 400	500	yes	190	90	42	25.5	46	30	3	22	3	27
BSMB 185/400-630	185 – 400	630	yes	200	95	42	25.5	50	33	3	22	3	27
BSMB 500-630	500	630	yes	200	95	46	30	50	33	3	27	3	27

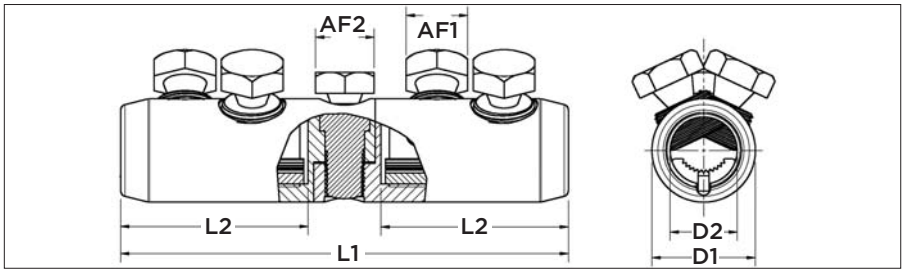
Ordering information – Dimensions – Selection tables
Reduction connectors

Selection and application table

Product reference BSMB 25/95 – 95/240		Application range Conductor type Al circular stranded	Al circular solid	Al sector stranded	Al sector solid	Cu circular stranded	Cu circular solid	Cu sector stranded
	Cross-sectional range (mm²)	25 – 95	25 – 95	25 – 70		16 – 95	10 – 50	25 – 70
25 – 95 mm² Side	Cross-sectional range (mm²)			95*				95*
	Conductor diameter (mm)	5.7 – 12.5	5.5 – 11			4.8 – 12.5	3.6 – 8	
	Cross-sectional range (mm²)	95 – 240	95 – 240	95 – 150	95 – 150	95 – 240		95 – 150
95 – 240 mm² Side	Cross-sectional range (mm²)			185*– 240*	185 (90°)			185*– 240*
	Conductor diameter (mm)	11 – 19.2	10.5 – 18			11 – 19.2		
Product reference BSMB 95/240 – 185/400								
	Cross-sectional range (mm²)	95 – 240	95 – 240	95 – 150	95 – 185	95 – 240		95 – 150
95 – 240 mm² Side	Cross-sectional range (mm²)			185*– 240*	185 (90°)			185*– 240*
	Conductor diameter (mm)	11 – 19.2	10.5 – 18			11 – 19.2		
	Cross-sectional range (mm²)	185 – 400	185 – 400	185 – 240	185 – 240	185 – 400		185 – 240
185 – 400 mm² Side	Cross-sectional range (mm²)			300*– 400*	300 (90°)			300*– 400*
	Conductor diameter (mm)	15.5 – 24.6	14.8 – 24.6			15.5 – 24.6		
Product reference BSMB 185/400 – 500								
	Cross-sectional range (mm²)	185 – 400	185 – 400	185 – 240	185 – 240	185 – 400		185 – 240
185 – 400 mm² Side	Cross-sectional range (mm²)			300*– 400*	300 (90°)			300*– 400*
	Conductor diameter (mm)	15.5 – 24.6	14.8 – 24.6			15.5 – 24.6		
	Cross-sectional range (mm²)	500	500			500		
500 mm² Side	Cross-sectional range (mm²)							
	Conductor diameter (mm)	25.3 – 28.9	24 – 25.1			25.3 – 28.6		
Product reference BSMB 185/400 – 630								
	Cross-sectional range (mm²)	185 – 400	185 – 400	185 – 240	185 – 240	185 – 400		185 – 240
185 – 400 mm² Side	Cross-sectional range (mm²)			300*– 400*	300 (90°)			300*– 400*
	Conductor diameter (mm)	15.5 – 24.6	14.8 – 24.6			15.5 – 24.6		
	Cross-sectional range (mm²)	630	630			630		
630 mm² Side	Cross-sectional range (mm²)							
	Conductor diameter (mm)	28.7 – 32.5	27.3 – 28.4			28.7 – 32.5		
Product reference BSMB 500 – 630								
	Cross-sectional range (mm²)	500	500			500		
500 mm² Side	Cross-sectional range (mm²)							
	Conductor diameter (mm)	25.3 – 28.9	24 – 25.1			25.3 – 28.6		
	Cross-sectional range (mm²)	630	630			630		
630 mm² Side	Cross-sectional range (mm²)							
	Conductor diameter (mm)	28.7 – 32.5	27.3 – 28.4			28.7 – 32.5		

* Pressed round

Ordering information – Dimensions – Selection tables
Split connectors



Dimensions

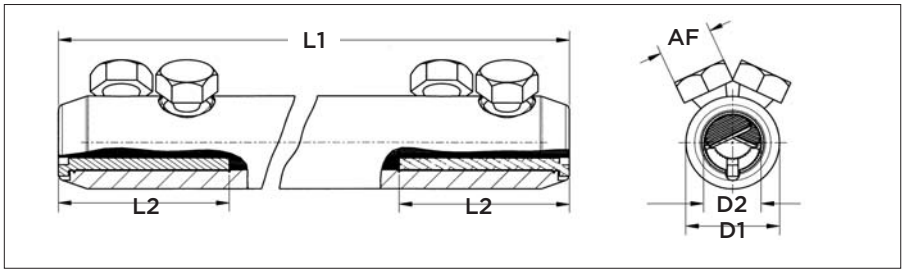
Product reference (mm^2)	Cross-sectional range	Blocked	Dimensions (mm) L1	L2	D1	D2	Contact bolts Quantity	Headsize AF1 (mm)	Contact bolts Quantity	Headsize AF2 (mm)
BSMV-120/300	120 – 300	yes	160	65	37	24	4	22	1	21
BSMV-185/400	185 – 400	yes	190	80	42	25.5	6	22	1	19

Selection and application table

Product reference		Application range Conductor type Al circular stranded	Al circular solid	Al sector stranded	Al sector solid	Cu circular stranded	Cu circular solid	Cu sector stranded
BSMV-120/300	Cross-sectional range (mm^2)	120 – 300	150 – 300	120 – 185	120 – 240	120 – 300		120 – 185
	Cross-sectional range (mm^2)			240*– 300*				240*– 300*
	Conductor diameter (mm)	12.7 – 23.1	12.9 – 19.8			12.7 – 22.6		
BSMV-185/400	Cross-sectional range (mm^2)	185 – 400	185 – 400	185 – 240	185 – 240	185 – 400		185 – 240
	Cross-sectional range (mm^2)			300*– 400*	300 (90°)			300*– 400*
	Conductor diameter (mm)	15.5 – 24.6	14.8 – 24.6			15.5 – 24.6		

* Pressed round

Ordering information – Dimensions – Selection tables
Mechanical repair sleeve



Dimensions

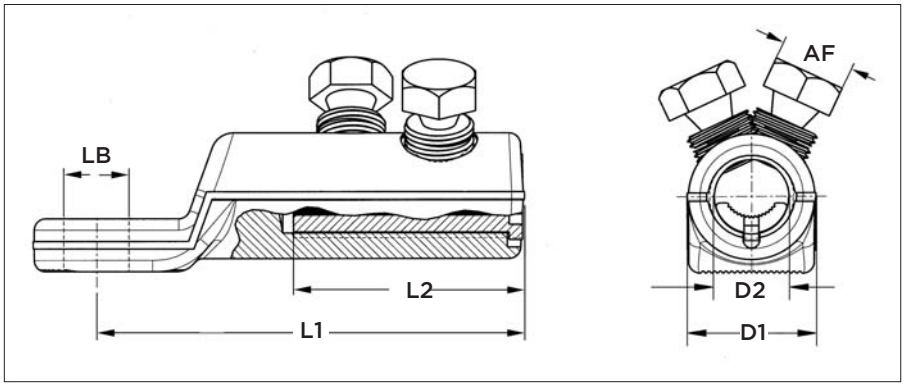
Order code	Cross-section range (mm²)	Blocked	Dimensions (mm)				Contact bolts	
			L1	L2	D1	D2	Quantity	Head size (mm)
BSM-25/95-U-L440	25 – 95	no	440	30	24	12.8	2	13
BSM-95/240-U-L440	95 – 240	no	440	60	33	20.0	4	19
BSMU-95/240-34-L440	95 – 240	no	440	60	34	22.0	4	19
BSMU-120/300-L440	120 – 300	no	440	65	37	24.0	4	22
BSMU-185/400-U-L440	185 – 400	no	440	80	42	25.5	6	22
BSMU-500-L440	500	no	440	90	46	30.0	6	27

Selection and application table

Product reference		Application range Conductor type						
		Al circular stranded	Al circular solid	Al sector stranded	Al sector solid	Cu circular stranded	Cu circular solid	Cu sector stranded
	Cross-section range (mm²)	25 – 95	25 – 95	25 – 70		16 – 95	10 – 50	25 – 70
BSM-25/95-U-L440	Cross-section range (mm²)			95*				95*
	Conductor diameter (mm)	5.7 – 12.5	5.5 – 11.0			4.8 – 12.5	3.6 – 8.0	
	Cross-section range (mm²)	95 – 240	95 – 240	95 – 150	95 – 150	95 – 240		95 – 150
BSM-95/240-U-L440	Cross-section range (mm²)			185*– 240*	185 (90°)			185*– 240*
	Conductor diameter (mm)	11.0 – 19.2	10.5 – 18.0			11.0 – 19.2		
	Cross-section range (mm²)	95 – 240	95 – 240	95 – 150	95 – 150	95 – 240		95 – 150
BSMU-95/240-34-L440	Cross-section range (mm²)			185*– 240*				185*– 240*
	Conductor diameter (mm)	11.0 – 20.8	10.5 – 18.0			11.0 – 19.2		
	Cross-section range (mm²)	120 – 300	150 – 300	120 – 185	120 – 240	120 – 300		120 – 185
BSMU-120/300-L440	Cross-section range (mm²)			240*– 300*				240*– 300*
	Conductor diameter (mm)	12.7 – 23.1	12.9 – 19.8			12.7 – 22.6		
	Cross-section range (mm²)	185 – 400	185 – 240	185 – 240	185 – 240	185 – 240		185 – 240
BSMU-185/400-U-L440	Cross-section range (mm²)			300*– 400*	300 (90°)			300*– 400*
	Conductor diameter (mm)	15.5 – 24.6	14.8 – 24.6			15.5 – 24.6		
	Cross-section range (mm²)	500	500			500		
BSMU-500-L440	Cross-section range (mm²)							
	Conductor diameter (mm)	25.3 – 28.9	24.0 – 25.1			25.3 – 28.6		

* Pressed round

Ordering information – Dimensions – Selection tables
Mechanical lugs



Dimensions

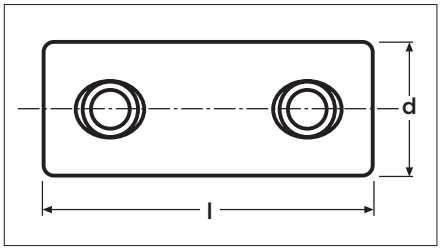
Product reference	Cross-section range (mm^2)	Palm hole diameter (mm)	Dimensions (mm)				Contact bolts	
		LB	L1	L2	D1	D2	Quantity	Head size (mm)
BLMT-25/95-13	25 – 95	13	60	30	24	12.8	1	13
BLMT-25/95-17	25 – 95	17	60	30	24	12.8	1	13
BLMT-35/150-13	35 – 150	13	86	38	28	15.8	1	17
BLMT-35/150-17	35 – 150	17	86	38	28	15.8	1	17
BLMT-95/240-13	95 – 240	13	112	60	33	20.0	2	19
BLMT-95/240-17	95 – 240	17	112	60	33	20.0	2	19
BLMT-120/300-13	120 – 300	13	115	65	37	24.0	2	22
BLMT-120/300-17	120 – 300	17	115	65	37	24.0	2	22
BLMT-185/400-13	185 – 400	13	137	80	42	25.5	3	22
BLMT-185/400-17	185 – 400	17	137	80	42	25.5	3	22
BLMT-185/400-21	185 – 400	21	137	80	42	25.5	3	22
BLMT-500/630-13	500 – 630	13	150	95	50	33.0	3	27
BLMT-500/630-17	500 – 630	17	150	95	50	33.0	3	27
BLMT-500/630-21	500 – 630	21	150	95	50	33.0	3	27

Selection and application table

Product reference		Application range Conductor type Al circular stranded	Al circular solid	Al sector stranded	Al sector solid	Cu circular stranded	Cu circular solid	Cu sector stranded
	Cross-section range (mm²)	25 – 95	25 – 95	25 – 70		16 – 95	10 – 50	25 – 70
BLMT-25/95-XX	Cross-section range (mm²)			95*				95*
	Conductor diameter (mm)	5.7 – 12.5	5.5 – 11.0			4.8 – 12.5	3.6 – 8.0	
	Cross-section range (mm²)	35 – 150	35 – 150	50 – 95	50 – 120	35 – 150	35 – 50	50 – 95
BLMT-35/150-XX	Cross-section range (mm²)			120*– 150*				120*– 150*
	Conductor diameter (mm)	6.8 – 15.0	6.5 – 14.0			6.6 – 15.0	6.5 – 8.0	
	Cross-section range (mm²)	95 – 240	95 – 240	95 – 150	95 – 150	95 – 240		95 – 150
BLMT-95/240-XX	Cross-section range (mm²)			185*– 240*	185 (90°)			185*– 240*
	Conductor diameter (mm)	11.0 – 19.2	10.5 – 18.0			11.0 – 19.2		
	Cross-section range (mm²)	120 – 300	150 – 300	120 – 185	120 – 240	120 – 300		120 – 185
BLMT-120/300-XX	Cross-section range (mm²)			240*– 300*				240*– 300*
	Conductor diameter (mm)	12.7 – 23.1	12.9 – 19.8			12.7 – 22.6		
	Cross-section range (mm²)	185 – 400	185 – 400	185 – 240	185 – 240	185 – 400		185 – 240
BLMT-185/400-XX	Cross-section range (mm²)			300*– 400*	300 (90°)			300*– 400*
	Conductor diameter (mm)	15.5 – 24.6	14.8 – 24.6			15.5 – 24.6		
	Cross-section range (mm²)	500 – 630	500 – 630			500 – 630		
BLMT-500/630-XX	Cross-section range (mm²)							
	Conductor diameter (mm)	25.3 – 32.5	24.0 – 28.6			25.3 – 32.5		

* Pressed round
XX - Palm hole

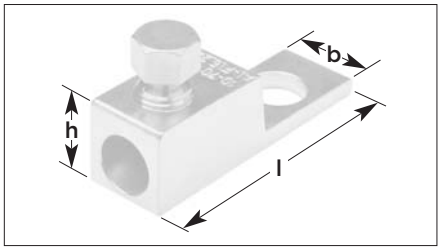
Brass bolted shield connectors
with 2 shear head screws



Material: brass (CuZn)
Set screws: brass (CuZn), uncoated
Surface finish: uncoated or tinned

Part no.	Conductor cross-section shielding (mm^2)	Dimensions (mm) d	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with inside shear head, without through hole, uncoated					
4892 B	16 – 70	17	40	5	5.0
with inside shear head, without through hole, electro-tinned					
4892 B-Z	16 – 70	17	40	5	5.0
with outside shear head, without through hole, uncoated					
4892	16 – 70	17	40	10	6.0
with outside shear head, without through hole, electro-tinned					
4892 Z	16 – 70	17	40	10	6.0

Brass bolted shield cable lugs
with 1 shear head screw



Material: brass (CuZn)
Set screws: brass (CuZn), uncoated
Surface finish: uncoated or tinned

Part no.	Conductor cross-section shielding (mm^2)	Tang hole (mm)	Dimensions (mm) b	h	l	Wrench size (mm)	Weight (approx. kg) 100 pcs
with inside shear head, uncoated							
2070	10 – 70	10.5	15	16	51	5	5.0
2070.1	10 – 70	13.0	19	16	51	10	5.8
with inside shear head, electro-tinned							
2070 Z	10 – 70	10.5	15	16	51	5	5.0
2070.1 Z	10 – 70	13.0	19	16	51	10	5.8
with outside shear head, uncoated							
2070 AK	10 – 70	10.5	15	16	51	10	5.8
2070.1 AK	10 – 70	13.0	19	16	51	10	5.8
with outside shear head, electro-tinned							
2070 Z-AK	10 – 70	10.5	15	16	51	10	5.8
2070.1 Z-AK	10 – 70	13.0	19	16	51	10	5.8

COMPRESSION SLEEVES
COMPRESSION CABLE LUGS

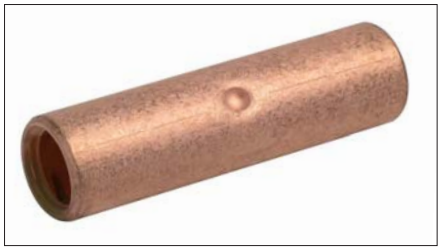
COMPRESSION SLEEVES
COMPRESSION CABLE LUGS

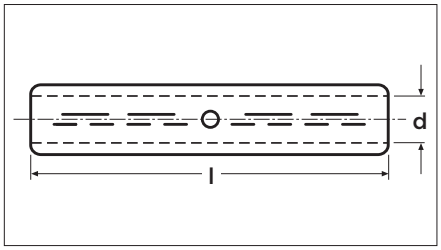
– Compression sleeves 34

– Reduction sleeves 53

– Compression cable lugs 60

Non-tension compression sleeves 1 – 10 kV DIN 46267, Part 1
for copper conductors acc. to DIN 48201 and copper cables acc. to DIN VDE 0295





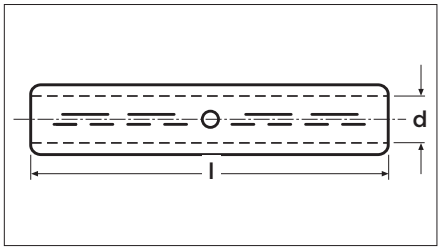
Material: copper
Surface: uncoated

Part no.	Conductor cross-section (mm^2)	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm	Die code no.	Dimensions (mm) d	l	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70303	6		2.75	3.2	5	3.6	32	2 – 2		0.5
70304	10		3.55	4.1	6	4.5	32	2 – 2		0.5
70305	16		4.50	5.1	8	5.7	50	2 – 2		1.5
70306	25	5.6 – 6.5		6.3	10	7.0	50	2 – 2		1.8
70307	35	6.6 – 7.5		7.5	12	8.2	50	2 – 2		2.9
70308	50	7.7 – 8.6		9.0	14	10.0	55	3 – 3		4.2
70309	70	9.3 – 10.2		10.5	16	11.5	55	3 – 3		5.4
70310	95	11.0 – 12.0		12.5	18	13.5	70	4 – 4	2 – 2	9.1
70311	120	12.5 – 13.5		14.0	20	15.5	70	4 – 4	2 – 2	10.0
70312	150	13.9 – 15.0		15.8	22	17.0	80	5 – 5	2 – 2	15.0
70313	185	15.5 – 16.8		17.5	25	19.0	85	5 – 5	2 – 2	17.6
70314	240	17.8 – 19.2		20.3	28	21.5	90		2 – 2	23.7
70315	300	20.0 – 21.6		22.5	32	24.0	100		2 – 2	33.0
70316*	400	22.9 – 24.6			38	26.0	150		3 – 3	71.0
70317*	500	25.7 – 27.6			42	29.0	160		3 – 3	92.0
70318	400			26.0	38	27.5	150		3 – 3	71.0
70319	500			29.1	42	31.0	160		3 – 3	92.0
70320	625			32.6	44	35.0	160		3 – 3	80.0
70321	800			36.8	52	40.0	200		3 – 3	163.0
70322	1000			41.1	58	44.0	200		3 – 3	219.0

Sector-shaped conductors has to be rounded with special rounding dies.
* Part nos. 70316 and 70317 are intended only for compressed conductors and do not conform to the standard.

rm = round stranded, **re** = round solid.

Non-tension compression sleeves 1 – 10 kV, electro-tinned DIN 46267, Part 1
for copper conductors acc. to DIN 48201 and copper cables acc. to DIN VDE 0295



Material: copper
Surface: electro-tinned

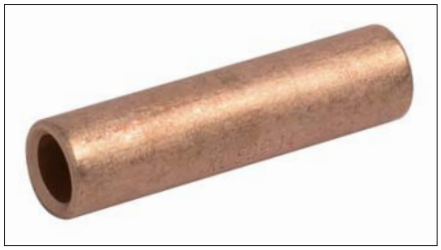
Part no.	Conductor cross-section (mm^2)	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm	Die code no.	Dimensions (mm) d	l	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70333	6		2.75	3.2	5	3.6	32	2 – 2		0.5
70334	10		3.55	4.1	6	4.5	32	2 – 2		0.5
70335	16		4.50	5.1	8	5.7	50	2 – 2		1.5
70336	25	5.6 – 6.5		6.3	10	7.0	50	2 – 2		1.8
70337	35	6.6 – 7.5		7.5	12	8.2	50	2 – 2		2.9
70338	50	7.7 – 8.6		9.0	14	10.0	55	3 – 3		4.2
70339	70	9.3 – 10.2		10.5	16	11.5	55	3 – 3		5.4
70340	95	11.0 – 12.0		12.5	18	13.5	70	4 – 4	2 – 2	9.1
70341	120	12.5 – 13.5		14.0	20	15.5	70	4 – 4	2 – 2	10.0
70342	150	13.9 – 15.0		15.8	22	17.0	80	5 – 5	2 – 2	15.0
70343	185	15.5 – 16.8		17.5	25	19.0	85	5 – 5	2 – 2	17.6
70344	240	17.8 – 19.2		20.3	28	21.5	90		2 – 2	23.7
70345	300	20.0 – 21.6		22.5	32	24.0	100		2 – 2	33.0
70346*	400	22.9 – 24.6			38	26.0	150		3 – 3	71.0
70347*	500	25.7 – 27.6			42	29.0	160		3 – 3	92.0
70348	400			26.0	38	27.5	150		3 – 3	71.0
70349	500			29.1	42	31.0	160		3 – 3	92.0
70350	625			32.6	44	35.0	160		3 – 3	80.0
70351	800			36.8	52	40.0	200		3 – 3	163.0
70352	1000			41.1	58	44.0	200		3 – 3	219.0

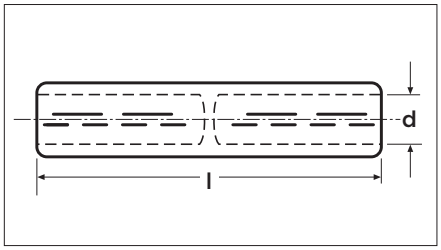
Sector-shaped conductors has to be rounded with special rounding dies.
* Part nos. 70346 and 70347 are intended only for compressed conductors and do not conform to the standard.

rm = round stranded, **re** = round solid.

Non-tension compression sleeves 1 – 10 kV, with blind hole

for copper conductors acc. to DIN 48201 and copper cables acc. to DIN VDE 0295





Material: copper
Surface: uncoated

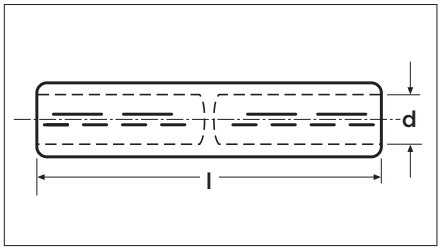
Part no.	Conductor cross-section (mm^2)	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm	Die code no.	Dimensions (mm) d	l	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70725	16		4.5	5.1	8	5.7	55	2 – 2		1.7
70726	25	5.6 – 6.5		6.3	10	7.0	55	2 – 2		2.2
70727	35	6.6 – 7.5		7.5	12	8.2	55	2 – 2		3.3
70728	50	7.7 – 8.6		9.0	14	10.0	60	3 – 3		5.1
70729	70	9.3 – 10.2		10.5	16	11.5	60	3 – 3		6.6
70730	95	11.0 – 12.0		12.5	18	13.5	75	4 – 4	2 – 2	10.0
70731	120	12.5 – 13.5		14.0	20	15.5	75	4 – 4	2 – 2	11.7
70732	150	13.9 – 15.0		15.8	22	17.0	85	5 – 5	2 – 2	17.6
70733	185	15.5 – 16.8		17.5	25	19.0	90	5 – 5	2 – 2	21.3
70734	240	17.8 – 19.2		20.3	28	21.5	95		2 – 2	28.1
70735	300	20.0 – 21.6		22.5	32	24.0	105		2 – 2	34.8
70736	400	22.9 – 24.6			38	26.0	155		3 – 3	86.3
70737	500	25.7 – 27.6			42	29.0	165		3 – 3	110.0
70738	400			26.0	38	27.5	155		3 – 3	116.0
70739	500			29.1	42	31.0	165		3 – 3	150.0
70740	625			32.6	44	35.0	165		3 – 3	147.0
70741	800			36.8	52	40.0	205		3 – 3	249.0
70742	1000			41.1	58	44.0	205		3 – 3	317.0

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **re** = round solid.

Non-tension compression sleeves 1 – 10 kV, electro-tinned, with blind hole

for copper conductors acc. to DIN 48201 and copper cables acc. to DIN VDE 0295



Material: copper
Surface: electro-tinned

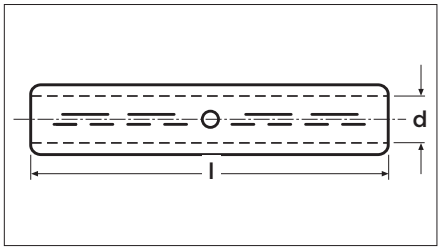
Part no.	Conductor cross-section (mm^2)	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm	Die code no.	Dimensions (mm) d	l	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70745	16		4.5	5.1	8	5.7	55	2 – 2		1.7
70746	25	5.6 – 6.5		6.3	10	7.0	55	2 – 2		2.2
70747	35	6.6 – 7.5		7.5	12	8.2	55	2 – 2		3.3
70748	50	7.7 – 8.6		9.0	14	10.0	60	3 – 3		5.1
70749	70	9.3 – 10.2		10.5	16	11.5	60	3 – 3		6.6
70750	95	11.0 – 12.0		12.5	18	13.5	75	4 – 4	2 – 2	10.0
70751	120	12.5 – 13.5		14.0	20	15.5	75	4 – 4	2 – 2	11.7
70752	150	13.9 – 15.0		15.8	22	17.0	85	5 – 5	2 – 2	17.6
70753	185	15.5 – 16.8		17.5	25	19.0	90	5 – 5	2 – 2	21.3
70754	240	17.8 – 19.2		20.3	28	21.5	95		2 – 2	28.1
70755	300	20.0 – 21.6		22.5	32	24.0	105		2 – 2	34.8
70756	400	22.9 – 24.6			38	26.0	155		3 – 3	86.3
70757	500	25.7 – 27.6			42	29.0	165		3 – 3	110.0
70758	400			26.0	38	27.5	155		3 – 3	116.0
70759	500			29.1	42	31.0	165		3 – 3	150.0
70760	625			32.6	44	35.0	165		3 – 3	147.0
70761	800			36.8	52	40.0	205		3 – 3	249.0
70762	1000			41.1	58	44.0	205		3 – 3	317.0

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **re** = round solid.

Non-tension compression sleeves 1 – 10 kV, electro-tinned

Commercial type for copper conductors

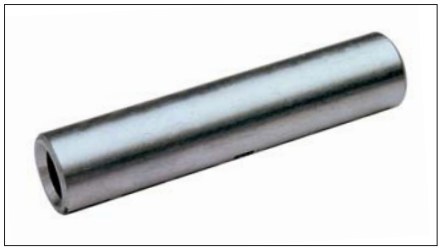


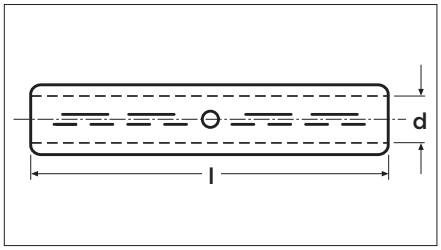
Material: copper
Surface: electro-tinned

Part no.	Conductor cross-section (mm^2)	Dimensions (mm) d	l	Weight (approx. kg) 100 pcs
70793	6	3.6	25	0.4
70794	10	4.5	30	0.5
70795	16	5.4	35	0.9
70796	25	6.9	40	1.2
70797	35	8.3	45	2.1
70798	50	9.6	50	2.8
70799	70	11.5	55	4.1
70800	95	13.5	60	5.4
70801	120	15.5	65	7.4
70802	150	16.9	70	9.0
70803	185	19.0	80	12.2
70804	240	21.0	90	15.2
70805	300	24.0	100	22.8
70806	400	27.5	110	29.6
70807	500	31.0	140	49.5
70808	625	34.0	160	53.0

Sector-shaped conductors has to be rounded with special rounding dies.

Non-tension compression sleeves 1 – 10 kV DIN 46267, Part 2
for aluminium cables acc. to DIN VDE 0295, aluminium and Al alloy conductors acc. to DIN 48201





Material: aluminium
Surface: uncoated

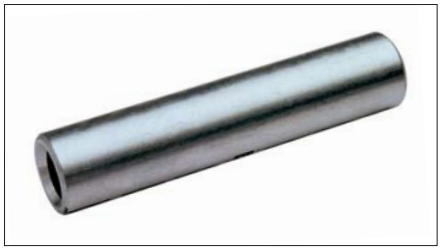
The sleeves are filled with contact grease and sealed in plastic foil.

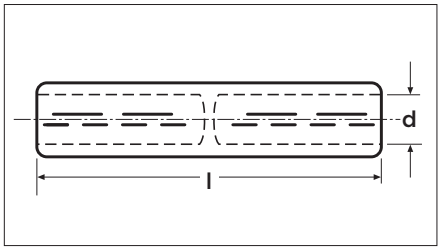
Part no.	Conductor cross-section (mm^2) rm/sm	re/se	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1	Die code no.	Dimensions (mm) d	l	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
72305a		16		4.5	12	5.6	55	4 – 4	2 – 2	1.5
72305	16	25	5.2 – 5.6	5.1	12	6.0	55	4 – 4	2 – 2	1.5
72306	25	35	5.6 – 6.7	6.3	12	7.0	70	4 – 4	2 – 2	1.8
72307	35	50	6.6 – 7.8	7.5	14	8.3	85	5 – 5	2 – 2	3.0
72308	50	70	7.7 – 8.6	9.0	16	10.0	85	5 – 5	2 – 2	3.8
72309	70	95	9.3 – 10.2	10.5	18	11.3	105	6 – 6	3 – 3	5.7
72310	95	120	11.0 – 12.0	12.5	22	13.5	105	6 – 6	3 – 3	8.9
72311	120	150	12.5 – 13.5	14.0	22	14.8	105	6 – 6	3 – 3	8.6
72312	150	185	13.9 – 15.0	15.8	25	16.5	125	6 – 6	3 – 3	11.2
72313	185	240	15.5 – 16.8	17.5	28	18.3	125	6 – 6	3 – 3	16.4
72314	240	300	17.8 – 19.2	20.3	32	21.0	145	8 – 8	3 – 3	20.8
72315	300		20.0 – 21.6	22.5	34	23.4	145	8 – 8	3 – 3	27.5
72316*	400		22.9 – 24.6		38	26.0	210		4 – 4	60.0
72317*	500		25.7 – 27.6		44	29.0	210		5 – 5	92.5
72316a	400			26.0	42	28.0	210		4 – 4	55.0
72317a	500			29.1	46	31.0	210		5 – 5	60.0
72318	625			32.6	52	35.0	330		5 – 5	122.7
72319	800			36.8	58	40.0	350		5 – 5	150.0
72320	1000			41.1	60	44.0	350		5 – 5	142.0

Sector-shaped conductors has to be rounded with special rounding dies.
Compression sleeves with deep indent compression on request.
* Part nos. 72316 und 72317 are intended only for compressed conductors and do not conform to the standard.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Non-tension compression sleeves 1 – 10 kV, with blind hole
for aluminium conductors acc. to DIN VDE 0295





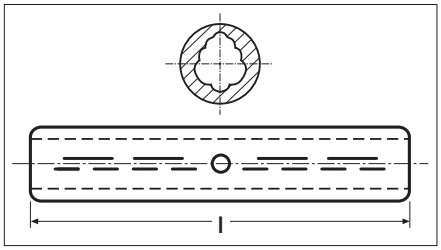
Material: aluminium
Surface: uncoated

The sleeves are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm^2) rm/sm	re/se	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1	Die code no.	Dimensions (mm) d	l	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
72325a		16		4.5	12	5.6	55	4 – 4	2 – 2	1.50
72325	16	25	5.2 – 5.6	5.1	12	6.0	60	4 – 4	2 – 2	1.55
72326	25	35	5.6 – 6.7	6.3	12	7.0	75	4 – 4	2 – 2	1.80
72327	35	50	6.6 – 7.8	7.5	14	8.3	90	5 – 5	2 – 2	3.10
72328	50	70	7.7 – 8.6	9.0	16	10.0	90	5 – 5	2 – 2	3.90
72329	70	95	9.3 – 10.2	12.5	18	11.3	110	6 – 6	3 – 3	5.80
72330	95	120	11.0 – 12.0	14.0	22	13.5	110	6 – 6	3 – 3	9.10
72331	120	150	12.5 – 13.5	15.8	22	14.8	110	6 – 6	3 – 3	8.80
72332	150	185	13.9 – 15.0		25	16.5	130	6 – 6	3 – 3	11.50
72333	185	240	15.5 – 16.8	17.5	28	18.3	130	6 – 6	3 – 3	16.80
72334	240	300	17.8 – 19.2	20.3	32	21.0	150	8 – 8	3 – 3	21.30
72335	300		20.0 – 21.6	22.5	34	23.4	150	8 – 8	3 – 3	28.10
72336	400		22.9 – 24.6		38	26.0	215		4 – 4	61.40
72337	500		25.7 – 27.6		44	29.0	215		5 – 5	94.60
72338	400			26.0	42	28.0	215		4 – 4	59.00
72339	500			29.1	46	31.0	215		5 – 5	65.00
72340	625			32.6	52	35.0	335		5 – 5	125.50
72341	800			36.8	58	40.0	355		5 – 5	157.00
72342	1000			41.1	60	44.0	355		5 – 5	150.00

Sector-shaped conductors has to be rounded with special rounding dies.
Compression sleeves with deep indent compression on request.

Non-tension compression sleeves 1 – 10 kV, with sector-shaped hole
for aluminium conductors acc. to DIN VDE 0295



Material: aluminium
Surface: uncoated

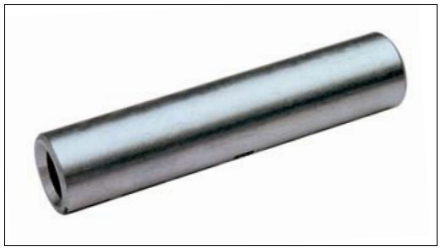
The sleeves are filled with contact grease and sealed in plastic foil.

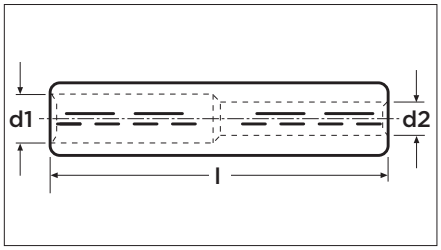
Part no.	Conductor cross-section (mm²) se	sm	re	Die code no.	Dimensions (mm) l	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
72728	50	35		16	85	4 – 4	2 – 2	3.2
72729	70	50		18	85	4 – 4	2 – 2	4.0
72730	95	70		22	105	4 – 4	2 – 2	6.0
72731	120	95		22	105	4 – 4	2 – 2	9.4
72732	150	120	150	25	105	4 – 4	2 – 2	9.0
72733	185	150	185	27	110	5 – 5	3 – 3	13.6
72734	240	185		32	130	6 – 6	3 – 3	15.8
72735	300	240		34	130	6 – 6	3 – 3	21.5

Do not round sector-shaped conductors.
Other dimensions on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Reduction compression sleeves 1 – 10 kV for joining aluminium conductors acc. to DIN 48201 and aluminium cables with round and sector-shaped conductors acc. to DIN VDE 0295 with varying different cross-sections





Material: aluminium
Surface: uncoated

The sleeves are filled with contact grease and sealed in plastic foil.

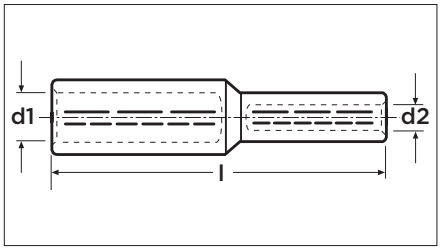
Part no.	Conductor cross-section (mm^2) A1		Conductor cross-section (mm^2) A2		Die code no.	Dimensions (mm)			Number of compressions		Weight (approx. kg)
	rm/sm	re/se	rm/sm	re/se		d1	d2	l	mech.	hydr.	100 pcs
72506	35	35	16		12	7.0	6.0	70	4 – 4	2 – 2	1.9
72507a	35	50	16		14	8.3	6.0	85	5 – 5	2 – 2	3.1
72507	35	50	25		14	8.3	7.0	85	5 – 5	2 – 2	3.0
72508a	50	70	25		16	10.0	7.0	85	5 – 5	2 – 2	3.8
72508	50	70	35		16	10.0	8.3	85	5 – 5	2 – 2	3.7
72509a	70	95	35		18	11.3	8.3	105	6 – 6	3 – 3	6.6
72509	70	95	50		18	11.3	10.0	105	6 – 6	3 – 3	6.2
72510b	95	120	35	50	22	13.5	8.3	105	6 – 6	3 – 3	10.0
72510a	95	120	50	70	22	13.5	10.0	105	6 – 6	3 – 3	10.2
72510	95	120	70	95	22	13.5	11.3	105	6 – 6	3 – 3	9.4
72511c	120	150	35	50	22	14.8	8.3	105	6 – 6	3 – 3	9.8
72511b	120	150	50	70	22	14.8	10.0	105	6 – 6	3 – 3	10.4
72511a	120	150	70	95	22	14.8	11.3	105	6 – 6	3 – 3	9.4
72511	120	150	95	120	22	14.8	13.5	105	6 – 6	3 – 3	8.8
72512d	150	185	35	50	25	16.5	8.3	125	6 – 6	3 – 3	13.2
72512c	150	185	50	70	25	16.5	10.0	125	6 – 6	3 – 3	12.6
72512b	150	185	70	95	25	16.5	11.3	125	6 – 6	3 – 3	14.1
72512a	150	185	95	120	25	16.5	13.5	125	6 – 6	3 – 3	13.6
72512	150	185	120	150	25	16.5	14.8	125	6 – 6	3 – 3	12.0
72513a	185	240	120	150	28	18.3	14.8	125	6 – 6	3 – 3	18.0
72513	185	240	150	185	28	18.3	16.5	125	6 – 6	3 – 3	16.4
72514a	240	300	150	185	32	21.0	16.5	145	8 – 8	3 – 3	24.8
72514	240	300	185	240	32	21.0	18.3	145	8 – 8	3 – 3	23.4
72515a	300		185	240	34	23.4	18.3	145	8 – 8	3 – 3	25.8
72515	300		240	300	34	23.4	21.0	145	8 – 8	3 – 3	24.5

These sleeves are available for any combination of conductor.
Other dimensions on request.
Compression sleeves with deep indent compression on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Non-tension bimetal compression sleeves 1 – 10 kV

for aluminium and copper conductors acc. to DIN 48201, or for round or sector-shaped aluminium or copper conductors acc. to DIN VDE 0295



Material: aluminium and copper
Surface: uncoated

The aluminium side of the sleeve is filled with contact grease and sealed in plastic foil.

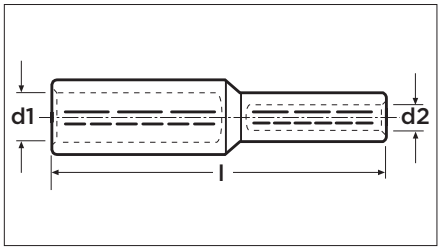
Part no.	Conductor cross-section (mm²) Al rm/sm	Al re/se	Cu rm/sm	Die code no. Al	Cu	Dimensions (mm) d1	d2	l	Number of compressions mech. Al	Cu	hydr. Al	Cu	Weight (approx. kg) 100 pcs
71306b	25		10	12	6	6.8	4.5	55.0	4	1	2	–	1.4
71306a	25		16	12	8	6.8	5.5	61.0	4	2	2	–	1.7
71306	25		25	12	10	6.8	7.0	61.0	4	2	2	–	1.9
71306c	25		50	12	14	6.8	10.0	72.0	4	3	2	–	3.5
71307d		35	16	12	8	7.6	5.5	61.0	4	2	2	–	1.6
71307e		35	25	12	10	7.6	7.0	61.0	4	2	2	–	1.9
71307b	35		16	14	8	8.0	5.5	71.0	4	2	2	–	2.5
71307a	35		25	14	10	8.0	7.0	71.0	4	2	2	–	2.7
71307	35		35	14	12	8.0	8.2	71.0	4	2	2	–	3.3
71307c	35		50	14	14	8.0	10.0	80.0	4	3	3	–	3.5
71308d		50	16	14	8	9.0	5.5	71.0	5	2	3	–	2.9
71308e		50	25	14	10	9.0	7.0	71.0	5	2	3	–	2.6
71308f		50	35	14	12	9.0	8.2	71.0	5	2	3	–	3.3
71308c	50	70	16	16	8	9.8	5.5	71.5	5	2	3	–	2.9
71308b	50	70	25	16	10	9.8	7.0	71.5	5	2	3	–	3.2
71308a	50	70	35	16	12	9.8	8.2	71.5	5	2	3	–	3.8
71308	50	70	50	16	14	9.8	10.0	80.0	5	3	3	–	4.6
71309d	70	95	16	18	8	11.2	5.5	79.0	6	2	3	–	4.1
71309c	70	95	25	18	10	11.2	7.0	79.0	6	2	3	–	4.0
71309b	70	95	35	18	12	11.2	8.2	79.0	6	2	3	–	4.9
71309a	70	95	50	18	14	11.2	10.0	85.0	6	3	3	–	5.7
71309	70	95	70	18	16	11.2	11.5	86.0	6	3	3	–	7.3
71309e	70	95	95	18	18	11.2	13.5	95.0	6	4	3	–	9.4
71309f	70	95	120	18	20	11.2	15.5	95.0	6	4	3	–	10.5
71310f	95	120	16	22	8	13.2	5.5	79.0	6	2	3	–	6.2
71310d	95	120	25	22	10	13.2	7.0	79.0	6	2	3	–	6.3
71310c	95	120	35	22	12	13.2	8.2	79.0	6	2	3	–	6.8
71310b	95	120	50	22	14	13.2	10.0	85.0	6	3	3	–	8.1
71310a	95	120	70	22	16	13.2	11.5	86.0	6	3	3	–	8.2
71310	95	120	95	22	18	13.2	13.5	95.0	6	4	3	2	10.4
71310e	95	120	120	22	20	13.2	15.5	95.0	6	4	3	2	11.6

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Non-tension bimetal compression sleeves 1 – 10 kV

for aluminium and copper conductors acc. to DIN 48201, or for round or sector-shaped aluminium or copper conductors acc. to DIN VDE 0295



Material: aluminium and copper
Surface: uncoated

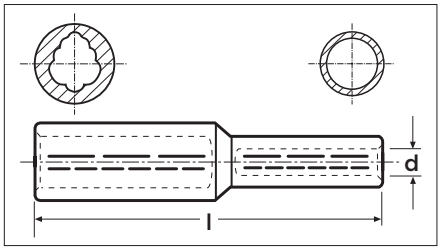
The aluminium side of the sleeve is filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm²) Al rm/sm	Al re/se	Cu rm/sm	Die code no. Al	Cu	Dimensions (mm) d1	d2	l	Number of compressions mech. Al	Cu	hydr. Al	Cu	Weight (approx. kg) 100 pcs
71311d	120	150	35	22	12	14.7	8.2	81.0	6	2	3	–	7.6
71311c	120	150	50	22	14	14.7	10.0	87.0	6	3	3	–	7.9
71311b	120	150	70	22	16	14.7	11.5	89.0	6	3	3	–	8.5
71311a	120	150	95	22	18	14.7	13.5	97.0	6	4	3	2	11.0
71311	120	150	120	22	20	14.7	15.5	97.0	6	4	3	2	11.9
71312g	150	185	16	25	8	16.3	5.5	91.5	7	2	3	–	7.8
71312f	150	185	25	25	10	16.3	7.0	91.5	7	2	3	–	8.0
71312e	150	185	35	25	12	16.3	8.2	91.5	7	2	3	–	8.4
71312d	150	185	50	25	14	16.3	10.0	98.5	7	3	3	–	10.2
71312c	150	185	70	25	16	16.3	11.5	99.5	7	3	3	–	10.4
71312b	150	185	95	25	18	16.3	13.5	107.5	7	4	3	2	12.7
71312a	150	185	120	25	20	16.3	15.5	107.5	7	4	3	2	13.9
71312	150	185	150	25	22	16.3	17.0	112.5	7	5	3	2	16.7
71313e	185	240	50	28	14	18.3	10.0	99.0	7	3	3	–	12.1
71313d	185	240	70	28	16	18.3	11.5	100.0	7	3	3	–	13.0
71313c	185	240	95	28	18	18.3	13.5	108.0	7	4	3	2	14.5
71313b	185	240	120	28	20	18.3	15.5	108.0	7	4	3	2	15.9
71313a	185	240	150	28	22	18.3	17.0	113.0	7	5	3	2	19.6
71313	185	240	185	28	25	18.3	19.0	116.0	7	5	3	2	21.0
71314f	240	300	50	32	14	21.0	10.0	110.0	8	4	3	–	16.5
71314e	240	300	70	32	16	21.0	11.5	111.0	8	4	3	–	18.0
71314d	240	300	95	32	18	21.0	13.5	119.0	8	4	3	–	19.0
71314c	240	300	120	32	20	21.0	15.5	119.0	8	4	3	2	20.5
71314b	240	300	150	32	22	21.0	17.0	124.0	8	5	3	2	23.3
71314a	240	300	185	32	25	21.0	19.0	127.0	8	5	3	2	25.5
71314	240	300	240	32	28	21.0	21.5	128.0	8	5	3	2	30.1
71315d	300		120	34	20	23.3	15.5	119.0	8	4	3	2	27.8
71315c	300		150	34	22	23.3	17.0	124.0	8	5	3	2	31.1
71315b	300		185	34	25	23.3	19.0	127.0	8	5	3	2	32.7
71315a	300		240	34	28	23.3	21.5	128.0	8	5	3	2	37.5
71315	300		300	34	32	23.3	24.0	134.0	8	6	3	2	41.7

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Non-tension bimetal compression sleeves 1 – 10 kV, with sector-shaped hole
for aluminium and copper conductors acc. to DIN VDE 0295



Material: aluminium and copper
Surface: uncoated

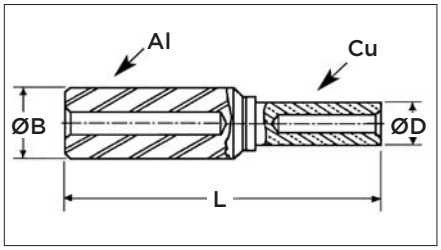
The aluminium side of the sleeve is filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm²) Al se	Al sm	Cu rm/sm	Die code no. Al	Cu	Dimensions (mm) d	l	Number of compressions mech. Al	mech. Cu	hydr. Al	hydr. Cu	Weight (approx. kg) 100 pcs
71327	35	25	25									
71328c	50	35	16	16	8	5.5	71.0	5	2	3		2.6
71328b	50	35	25	16	10	7.0	71.0	5	2	3		2.8
71328a	50	35	35	16	12	8.2	71.0	5	2	3		3.5
71328	50	35	50	16	14	10.0	80.0	5	3	3		3.7
71329d	70	50	16	18	8	5.5	71.5	6	2	3		3.1
71329c	70	50	25	18	10	7.0	71.5	6	2	3		3.4
71329b	70	50	35	18	12	8.2	71.5	6	2	3		4.0
71329a	70	50	50	18	14	10.0	80.0	6	3	3		4.8
71330e	95	70	16	22	8	5.5	79.0	6	2	3		6.5
71330d	95	70	25	22	10	7.0	79.0	6	2	3		6.6
71330c	95	70	35	22	12	8.2	79.0	6	2	3		7.1
71330b	95	70	50	22	14	10.0	85.0	6	3	3		8.5
71330a	95	70	70	22	16	11.5	86.0	6	3	3		8.6
71330	95	70	95	22	18	13.5	95.0	6	4	3	2	10.9
71330f	95	70	120	22	20	15.5	95.0	6	4	3	2	12.2
71331d	120	95	35	22	12	8.2	79.0	6	2	3		7.1
71331c	120	95	50	22	14	10.0	85.0	6	3	3		8.5
71331b	120	95	70	22	16	11.5	86.0	6	3	3		8.6
71331a	120	95	95	22	18	13.5	95.0	6	4	3	2	10.9
71331	120	95	120	22	20	15.5	95.0	6	4	3	2	12.2
71332e	150	120	35	25	12	8.2	81.0	7	2	3		8.0
71332d	150	120	50	25	14	10.0	87.0	7	3	3		8.3
71332c	150	120	70	25	16	11.5	89.0	7	3	3		8.9
71332b	150	120	95	25	18	13.5	97.0	7	4	3	2	11.6
71332a	150	120	120	25	20	15.5	97.0	7	4	3	2	12.5
71333	185	150	120	28	20	15.5	116.0	5	4	3	2	
71334a	240	185	150	32	22	17.0	130.0	6	4	3	2	

Do not round sector-shaped aluminium conductors.
Sector-shaped copper conductors has to be rounded with special rounding dies.
Other dimensions on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Bimetallic sleeves, XGX type



Application

- These aluminium-copper sleeves are used for joining aluminium and copper LV cables.
- They are usually used for indoor installations.
- In case of out door installations, the bi-metal joint should be fully protected against penetration by moisture.

Description

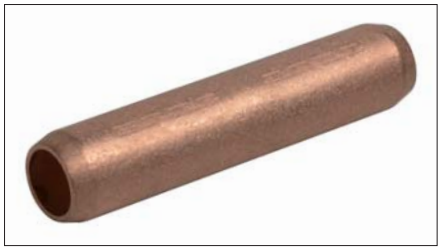
- These bi-metall sleeves are composed of one aluminium barrel, friction welded on one copper barrel.
- The aluminium barrel is crimped by deep stepped indentation (PPE).
- The copper barrel is crimped by hexagonal crimping.

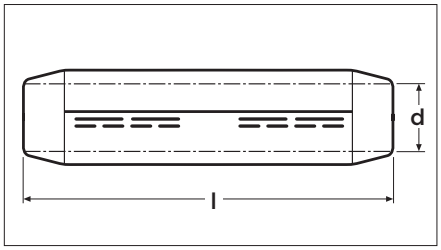
Features and benefits

Range from: 50 to 240 mm² for aluminium barrel. 16 to 150 mm² for copper barrel.	One technology for a large range cable.
Friction welding technology.	Age resistant current passage from the aluminium to the copper.
Deep stepped indentation.	Hight quality connections independent installer's skills. Single sleeve model for a given cable cross-sectionnal.
Aluminium part in accordance with C 33 090-1.	

Designation	PN	RPN	Cross Section (mm²)		Dimensions (mm)			Weight (g)	Standard Packaging
			Alu	Copper	ØB	ØD	L		
XGX 50A 25	0-0708108-4	698142-000	50	25	20	12.2	87.5	–	3
XGX 50A 35	0-0708108-5	711438-000	50	35	20	12.2	87.5	–	3
XGX 70A 16	0-0708107-1	443490-000	70	16	20	12.2	87.5	–	3
XGX 70A 25	0-0708107-2	070798-000	70	25	20	12.2	87.5	–	3
XGX 70A 35	0-0708107-3	255986-000	70	35	20	12.2	87.5	–	3
XGX 70A 50	0-0708107-4	996920-000	70	50	20	12.2	87.5	–	3
XGX 95B 70	0-0708344-1	116304-000	95	70	20	21	90	–	3
XGX 95B 95	0-0708344-2	120024-000	95	95	20	21	90	–	3
XGX120B 70	0-0708350-1	483424-000	120	70	25	21	107	–	3
XGX120B 95	0-0708350-2	650228-000	120	95	25	21	107	–	3
XGX150B 70	0-0708352-1	451820-000	150	70	25	21	107	–	3
XGX150B 95	0-0708352-3	474876-000	150	95	25	21	107	–	3
XGX150B120	0-0708350-1	483424-000	150	120	25	21	107	–	3
XGX185B 70	0-0709105-2	121176-000	185	70	32	21	107	–	3
XGX185B 95	0-0709105-3	277922-000	185	95	32	21	107	–	3
XGX185B120	0-0709105-1	655376-000	185	120	32	21	107	–	3

Non-tension compression sleeves 10 – 30 kV
for copper cable conductors acc. to DIN VDE 0295





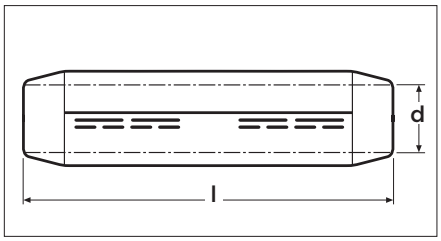
Material: copper
Surface: uncoated

Depending on cable type and voltage level, the compression sleeves are suitable for both round and hexagonal compression.

Part no.	Conductor cross-section (mm^2)	Conductor diameter (mm) VDE 0295	Die code no. hexagonal	Die code no. round hydr.	Dimensions (mm) d	Dimensions (mm) l	Number of compressions hexagonal mech.	Number of compressions hexagonal hydr.	Number of compressions round hydr.	Weight (approx. kg) 100 pcs
70356	25	5.6 – 6.5	10		7.0	50	2 – 2	–	–	4.0
70357	35	6.6 – 7.5	12	11 HR	8.2	50	2 – 2	–	compress over full length	3.6
70358	50	7.7 – 8.6	14	12 HR	10.0	65	3 – 3	–		5.5
70359	70	9.3 – 10.2	16	14 HR	11.5	65	3 – 3	–		7.1
70360	95	11.0 – 12.0	18	16 HR	13.5	90	4 – 4	–		11.5
70361	120	12.5 – 13.5	20	18 HR	15.5	90		2 – 2		12.9
70362	150	13.9 – 15.0	22	21 HR	17.0	106		2 – 2		20.4
70363	185	15.5 – 16.8	25	22 HR	19.0	106		2 – 2		22.3
70364	240	17.8 – 19.2	28	25 HR	21.5	110		2 – 2		29.5
70365	300	20.0 – 21.6	32		24.0	116		2 – 2		31.0
70366	400	22.9 – 24.6	38		26.0	160		3 – 3		80.0
70367	500	25.7 – 27.6	42		29.0	175		3 – 3	–	108.0
70368	625		44		34.5	190		3 – 3	–	90.0
70369	800		52		40.0	230		3 – 3	–	170.0
70370	1000		58		44.0	230		3 – 3		

Other dimensions on request.

Non-tension compression sleeves 10 – 30 kV, electro-tinned
for copper cable conductors acc. to DIN VDE 0295



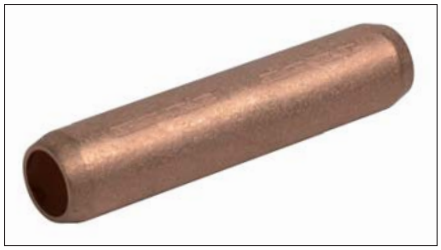
Material: copper
Surface: electro-tinned

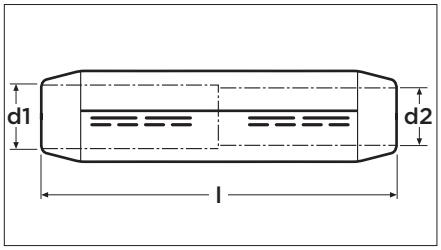
Depending on cable type and voltage level, the compression sleeves are suitable for both round and hexagonal compression.

Part no.	Conductor cross-section (mm^2)	Conductor diameter (mm) VDE 0295	Die code no. hexagonal	Die code no. round hydr.	Dimensions (mm) d	Dimensions (mm) l	Number of compressions hexagonal mech.	Number of compressions hexagonal hydr.	Number of compressions round hydr.	Weight (approx. kg) 100 pcs
70356-z	25	5.6 – 6.5	10		7.0	50	2 – 2	–	–	4.0
70357-z	35	6.6 – 7.5	12	11 HR	8.2	50	2 – 2	–	compress over full length	3.6
70358-z	50	7.7 – 8.6	14	12 HR	10.0	65	3 – 3	–		5.5
70359-z	70	9.3 – 10.2	16	14 HR	11.5	65	3 – 3	–		7.1
70360-z	95	11.0 – 12.0	18	16 HR	13.5	90	4 – 4	–		11.5
70361-z	120	12.5 – 13.5	20	18 HR	15.5	90		2 – 2		12.9
70362-z	150	13.9 – 15.0	22	21 HR	17.0	106		2 – 2		20.4
70363-z	185	15.5 – 16.8	25	22 HR	19.0	106		2 – 2		22.3
70364-z	240	17.8 – 19.2	28	25 HR	21.5	110		2 – 2		29.5
70365-z	300	20.0 – 21.6	32		24.0	116		2 – 2	–	31.0
70366-z	400	22.9 – 24.6	38		26.0	160		3 – 3	–	80.0
70367-z	500	25.7 – 27.6	42		29.0	175		3 – 3	–	108.0
70368-z	625		44		34.5	190		3 – 3	–	90.0
70369-z	800		52		40.0	230		3 – 3	–	170.0
70370-z	1000		58		44.0	230		3 – 3	–	

Other dimensions on request.

Non-tension reduction compression sleeves 10 – 30 kV
for copper cable conductors acc. to DIN VDE 0295





Material: copper
Surface: uncoated

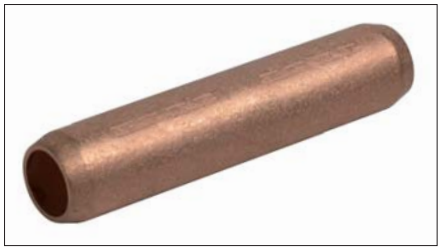
Part no.	Conductor cross-section (mm^2)		Die code no.		Dimensions (mm)			Number of compressions			Weight (approx. kg)
			hexa-	round				hexagonal		round	
	A1	A2	gonal	hydr.	d1	d2	l	mech.	hydr.	hydr.	100 pcs
70817	35	25	12	11 HR	8.2	7.0	50	2 – 2	1 – 1		3.2
70818	50	25	14	12 HR	10.0	7.0	65	3 – 3	1 – 1		5.3
70818a	50	35	14	12 HR	10.0	8.2	65	3 – 3	1 – 1		5.5
70819	70	35	16	14 HR	11.5	8.2	65	3 – 3	1 – 1		6.7
70819a	70	50	16	14 HR	11.5	10.0	65	3 – 3	1 – 1		6.5
70820	95	50	18	16 HR	13.5	10.0	90	4 – 2	2 – 2		11.6
70820a	95	70	18	16 HR	13.5	11.5	90	4 – 2	2 – 2		11.3
70821	120	50	20	18 HR	15.5	10.0	90	4 – 4	2 – 2		13.3
70821a	120	70	20	18 HR	15.5	11.5	90	4 – 4	2 – 2		12.9
70821b	120	95	20	18 HR	15.5	13.5	90	4 – 4	2 – 2		12.6
70822	150	70	22	21 HR	17.0	11.5	106	4 – 4	2 – 2		23.5
70822a	150	95	22	21 HR	17.0	13.5	106	4 – 4	2 – 2		21.5
70822b	150	120	22	21 HR	17.0	15.5	106	4 – 4	2 – 2		20.3
70823	185	95	25	22 HR	19.0	13.5	106	4 – 4	2 – 2		28.0
70823a	185	120	25	22 HR	19.0	15.5	106	4 – 4	2 – 2		25.5
70823b	185	150	25	22 HR	19.0	17.0	106	4 – 4	2 – 2		23.6
70824	240	120	28	25 HR	21.5	15.5	110	–	2 – 2		36.0
70824a	240	150	28	25 HR	21.5	17.0	110	–	2 – 2		33.8
70824b	240	185	28	25 HR	21.5	19.0	110	–	2 – 2		32.6
70825	300	150	32		17.0	44.0	116	–	2 – 2	–	44.0
70825a	300	185	32		24.0	19.0	116	–	2 – 2	–	41.9
70825b	300	240	32		21.5	39.9	116	–	2 – 2	–	39.9
70826	400	185	38		26.0	19.0	160	–	3 – 3	–	105.0
70826a	400	240	38		26.0	21.5	160	–	3 – 3	–	101.0
70826b	400	300	38		26.0	24.5	160	–	3 – 3	–	96.0

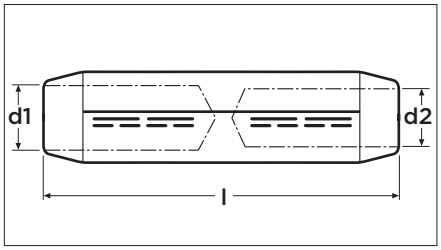
compress over full length

These sleeves are available for any combination of conductor.
Other dimensions on request.

Non-tension reduction compression sleeves 10 – 30 kV, with blind hole

for copper cable conductors acc. to DIN VDE 0295





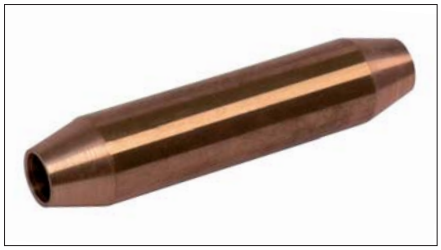
Material: copper
Surface: uncoated

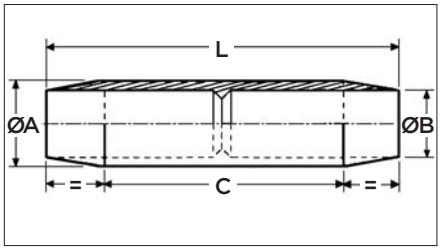
Part no.	Conductor cross-section (mm^2)		Conductor diameter (mm) VDE 0295		Die code no.		Dimensions (mm)			Number of compressions			Weight (approx. kg)
					hexa-	round				hexagonal		round	
	A1	A2	d1	d2	gonal	hydr.	d1	d2	l	mech.	hydr.	hydr.	100 pcs
70836	25	25	5.6 – 6.5	5.6 – 6.5	10		7.0	7.0	55	2 – 2	1 – 1	–	2.1
70837	35	25	6.6 – 7.5	5.6 – 6.5	12	11 HR	8.2	7.0	55	2 – 2	1 – 1		–
70837a	35	35	6.6 – 7.5	6.6 – 7.5	12	11 HR	8.2	8.2	55	2 – 2	1 – 1		–
70838	50	25	7.7 – 8.6	5.6 – 6.5	14	12 HR	10.0	7.0	70	3 – 3	1 – 1		7.0
70838a	50	35	7.7 – 8.6	6.6 – 7.5	14	12 HR	10.0	8.2	70	3 – 3	1 – 1		6.8
70838b	50	50	7.7 – 8.6	7.7 – 8.6	14	12 HR	10.0	10.0	70	3 – 3	1 – 1		6.4
70839	70	35	9.3 – 10.2	6.6 – 7.5	16	14 HR	11.5	8.2	70	3 – 3	1 – 1		8.6
70839a	70	50	9.3 – 10.2	7.7 – 8.6	16	14 HR	11.5	10.0	70	3 – 3	1 – 1		8.4
70839b	70	70	9.3 – 10.2	9.3 – 10.2	16	14 HR	11.5	11.5	70	3 – 3	1 – 1		8.1
70840	95	50	11.0 – 12.0	7.7 – 8.6	18	16 HR	13.5	10.0	95	4 – 4	2 – 2		11.8
70840a	95	70	11.0 – 12.0	9.3 – 10.2	18	16 HR	13.5	11.5	95	4 – 4	2 – 2		11.6
70840b	95	95	11.0 – 12.0	11.0 – 12.0	18	16 HR	13.5	13.5	95	4 – 4	2 – 2		11.5
70841	120	70	12.5 – 13.5	9.3 – 10.2	20	18 HR	15.5	11.5	95	–	2 – 2		14.9
70841a	120	95	12.5 – 13.5	11.0 – 12.0	20	18 HR	15.5	13.5	95	–	2 – 2		14.6
70841b	120	120	12.5 – 13.5	12.5 – 13.5	20	18 HR	15.5	15.5	95	–	2 – 2		14.3
70842	150	95	13.9 – 15.0	11.0 – 12.0	22	21 HR	17.0	13.5	111	–	2 – 2		21.5
70842a	150	120	13.9 – 15.0	12.5 – 13.5	22	21 HR	17.0	15.5	111	–	2 – 2		21.0
70842b	150	150	13.9 – 15.0	13.9 – 15.0	22	21 HR	17.0	17.0	111	–	2 – 2		20.6
70843	185	120	15.5 – 16.8	12.5 – 13.5	25	22 HR	19.0	15.5	111	–	2 – 2		27.4
70843a	185	150	15.5 – 16.8	13.9 – 15.0	25	22 HR	19.0	17.0	111	–	2 – 2		26.0
70843b	185	185	15.5 – 16.8	15.5 – 16.8	25	22 HR	19.0	19.0	111	–	2 – 2		24.9
70844	240	150	17.8 – 19.2	13.9 – 15.0	28	25 HR	21.5	17.0	115	–	2 – 2		38.7
70844a	240	185	17.8 – 19.2	15.5 – 16.8	28	25 HR	21.5	19.0	115	–	2 – 2	–	36.4
70844b	240	240	17.8 – 19.2	17.8 – 19.2	28	25 HR	21.5	21.5	115	–	2 – 2	–	35.3
70845	300	185	20.0 – 21.6	15.5 – 16.8	32		24.0	19.0	121	–	2 – 2	–	44.4
70845a	300	240	20.0 – 21.6	17.8 – 19.2	32		24.0	21.5	121	–	2 – 2	–	42.0
70845b	300	300	20.0 – 21.6	20.0 – 21.6	32		24.0	24.0	121	–	2 – 2	–	40.9
70846	400	240	22.9 – 24.6	17.8 – 19.2	38		26.0	21.5	165	–	3 – 3	–	105.0
70846a	400	300	22.9 – 24.6	20.0 – 21.6	38		26.0	24.0	165	–	3 – 3	–	101.0
70846b	400	400	22.9 – 24.6	22.9 – 24.6	38		26.0	26.0	165	–	3 – 3	–	97.0

HR compress over full length

These sleeves are available for any combination of conductor.
Other dimensions on request.

MV compression copper sleeves





Application

- For non tension connections of MV copper cables (can be used also on LV cables). LV underground branch joint.

Description

- The sleeve is made of electrolytic copper.
- Material surface is uncoated.
- To be crimped by hexagonal technic.

Option

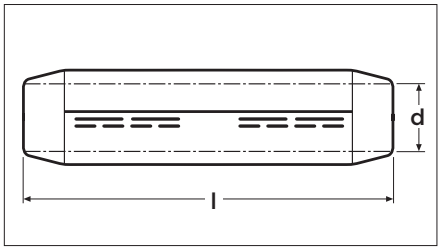
- Blind hole cable connection with plastic and paper insulation.

Features and benefits

Conductors sizes: 16 – 630 mm^2.	Wide range for copper cables.
Made of electrolytic copper.	Specially made for high current.
Cone shaped design.	Avoid dielectric stress when re-insulated.
To be crimped by hexagonal technic.	Good electrical performances
Optional blind hole	Ensure absolute oil stoppage in case of transition connection (plastic to paper insulation)

Cross Section mm^2	Designation	PN	RPN	ØA mm	ØB mm	C mm	L mm	Weight (g)	Standard Packaging
16	XG7C 16	0-0709096-1	–	5.6	12.2	40	57	–	3
25	XG7C 25	0-0709208-1	634714-000	7	12.2	45	57	–	3
35	XG7C 35	0-0709209-1	–	8	12.2	49	57	–	3
50	XG7C 50	0-0709210-1	A25385-000	9.5	12.2	55	57	–	3
70	XG7C 70	0-0709205-1	–	11	21	66	96	–	3
95	XG7C 95	0-0709202-1	–	13	21	74	96	–	3
100	XG7C100	0-0709206-1	–	14	21	77	96	–	3
120	XG7C120	0-0709207-1	E95751-000	14.2	21	78	96	–	3
125	XG7C125	0-0709097-7	–	15.5	21	83	96	–	3
150	XG7C150	0-0709097-1	–	16	21	85	96	–	3
185	XG7C185	0-0709098-1	–	18	26.2	90	113	–	3
200	XG7C200	0-0709211-1	–	18.5	26.2	92	113	–	3
240	XG7C240	0-0709212-1	C00318-00	20	26.2	97	113	–	3
300	XG7C300	0-0709099-1	722102-000	23.3	32	125	150	–	3
400	XG7C400	0-0709213-1	–	26	32	135	150	–	1
500	XG7C500	0-0709783-1	–	29.5	42	125	164	–	1
630	XG7C630	0-0709894-1	126602-000	33.5	42	140	164	–	1

Non-tension compression sleeves 10 – 30 kV
for aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: uncoated

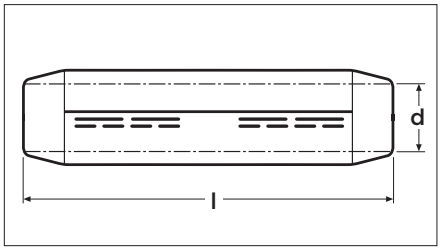
The sleeves are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm^2) rm/sm	re/se	Conductor diameter (mm) VDE 0295	Die code no. hexagonal	round hydr.	Dimensions (mm) d	l	Number of compressions hexagonal mech.	hydr.	round hydr.	Weight (approx. kg) 100 pcs
72356	25	35	5.6 – 6.5	12		7.0	90	4 – 4	2 – 2		1.5
72357	35	50	6.6 – 7.5	14	12 HR	8.3	90	4 – 4	2 – 2		2.1
72358	50	70	7.7 – 8.6	16		10.0	90	4 – 4	2 – 2		5.4
72359	70	95	9.3 – 10.2	18	16 HR	11.3	95	4 – 4	2 – 2		5.9
72360	95	120	11.0 – 12.0	22	20 HR	13.5	100	4 – 4	2 – 2		9.1
72361	120	150	12.5 – 13.5	22	20 HR	14.8	105	4 – 4	2 – 2		10.2
72362	150	185	13.9 – 15.0	25	22 HR	16.5	105	4 – 4	2 – 2		11.8
72363	185	240	15.5 – 16.8	28	25 HR	18.3	125	5 – 5	2 – 2		15.6
72364	240	300	17.8 – 19.2	32	28 HR	21.0	125	5 – 5	2 – 2		19.1
72365	300		20.0 – 21.6	34		23.4	125	5 – 5	2 – 2		30.7
72366	400		22.9 – 24.6	38	36 HR	26.0	150	–	3 – 3		37.0
72367	500		25.7 – 27.6	44		29.0	170	–	4 – 4		50.1
72368	625			52		35.0	200	–	3 – 3		64.0
72369	800			58		40.0	235	–	3 – 3		–
72370	1000			60		44.0	235	–	3 – 3		–
72371	1200			62		47.0	280	–	–		–

HR compress over full length

Depending on cable type and voltage level, the compression sleeves are suitable for both round and hexagonal compression.

Non-tension compression sleeves 10 – 30 kV
for highly compressed aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: uncoated

The joints are filled with contact grease and sealed in plastic foil.

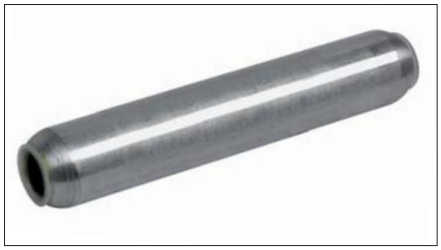
Part no.	Conductor cross-section (mm^2) rm/sm	Outer diameter (mm)	Dimensions (mm) d	l	Number of compressions hexagonal mech.	hydr.	round hydr.	Weight (approx. kg) 100 pcs
72358 HV	50	16.0	9.0	90	4 – 4	2 – 2		5.4
72359	70	18.5	11.0	95	4 – 4	2 – 2		5.9
72360 HV	95	22.5	12.5	100	4 – 4	2 – 2		9.1
72361 HV	120	23.0	14.0	105	4 – 4	2 – 2		10.2
72362 HV	150	25.0	15.5	105	4 – 4	2 – 2		11.8
72363 HV	185	28.5	17.5	125	5 – 5	2 – 2		15.6
72364 HV	240	32.0	20.0	125	5 – 5	2 – 2		19.1
72365 HV	300	34.0	22.0	125	5 – 5	2 – 2		30.7

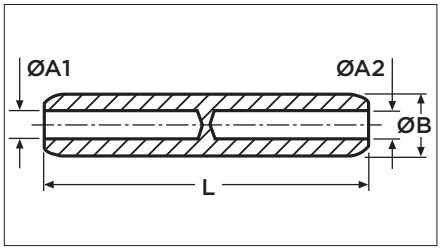
HR compress over full length

Depending on cable type and voltage level, the compression sleeves are suitable for both round and hexagonal compression.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Aluminium sleeves, XG8BM type





Application

- These aluminium sleeves are used for non tension connections in MV and LV aluminium underground cables applications.

Description

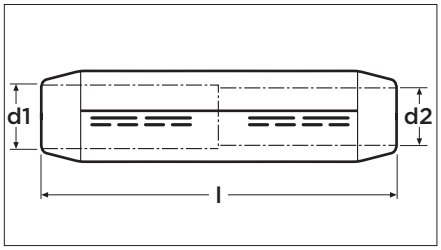
- These sleeves are made of pure aluminium.
- Accept cables according to NFC 32013 and IEC 228.
- To be crimped by deep stepped indentation.
- Delivered with compound.

Features and benefits

Range from: 16 to 1200 mm² for equal cross-section. 25 – 16 mm² to 240 – 185 mm² for differents cross-sections.	One technology for all sizes of cables.
Crimped deep step indentation.	High quality connections independent installer's skills. Single connector model for a given conductor cross-sectional area (independent of the core compression ratio).
Blind hole.	Can be used as transition connection between plastic insulated cable and paper insulated cable.
Spherical design.	Avoid dieletric stress when re-insulated.
Compliance with specification C33090-1, electrical test performances in accordance, with NFC 63-061 Class A and IEC 1238-1 Class A.	

Designation	PN	RPN	Cross Section (mm²)	Dimensions (mm) ØB	ØA1	ØA2	L	Weight (g)	Standard Packaging
XG8BM 16	0-1273035-1	415450-000	16	16	5.5	5.5	90.5	60	3
XG8BM 25	0-1273012-1	735382-000	25	16	6.5	6.5	90.5	60	3
XG8BM 35	0-1229975-1	903304-000	35	16	8.0	8.0	90.5	60	3
XG8BM 50	0-1229974-1	280454-000	50	20	9.0	9.0	106.5	95	3
XG8BM 70	0-1229973-1	867124-000	70	20	11.0	11.0	106.5	85	3
XG8BM 95	0-1229972-1	267134-000	95	20	12.5	12.5	106.5	80	3
XG8BM 120	0-1229971-1	509312-000	120	25	13.7	13.7	133.0	140	3
XG8BM 150	0-1229735-1	129656-000	150	25	15.5	15.5	133.0	130	3
XG8BM 185	0-1229734-1	395276-000	185	32	17.0	17.0	143.5	240	3
XG8BM 240	0-1229733-1	659048-000	240	32	19.5	19.5	143.5	220	3
XG8BM 300	0-0709302-1	924692-000	300	40	23.3	23.3	208.0	550	3
XG8BM 400	0-0709302-2	834266-000	400	40	26.0	26.0	208.0	550	3
XG8BM 500	0-0709340-1	828122-000	500	47	29.1	29.1	218.5	–	3
XG8BM 630	0-0709342-2	668334-000	630	47	32.5	32.5	218.5	850	3
XG8BM 800	0-0708980-1	–	800	60	37.5	37.5	274.0	–	3
XG8BM 1000	0-0708981-1	–	1000	60	42.0	42.0	276.0	–	3
XG8BM 1200	0-0708957-1	–	1200	65	45.5	45.5	333.0	–	3

Non-tension reduction compression sleeves 10 – 30 kV
for aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: uncoated

The sleeves are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm^2)		Die code no.		Dimensions (mm)			Number of compressions			Weight (approx. kg)
			hexa-	round				hexagonal		round	
	rm/sm	re/se	gonal	hydr.	d1	d2	l	mech.	hydr.	hydr.	100 pcs
72747	35	25	14	12 HR	8.3	7.0	90	4 – 4	2 – 2		5.5
72748	50	25	16		10.0	7.0	90	4 – 4	2 – 2		5.5
72748a	50	35	16		10.0	8.3	90	4 – 4	2 – 2		5.5
72749	70	35	18	16 HR	11.5	8.3	95	4 – 4	2 – 2		6.5
72749a	70	50	18	16 HR	11.5	10.0	95	4 – 4	2 – 2		7.0
72750	95	50	22	20 HR	13.5	10.0	100	4 – 4	2 – 2		11.5
72750a	95	70	22	20 HR	13.5	11.3	100	4 – 4	2 – 2		11.0
72751	120	70	22	20 HR	14.8	11.3	105	4 – 4	2 – 2		13.0
72751a	120	95	22	20 HR	14.8	13.5	105	4 – 4	2 – 2		12.5
72752	150	95	25	22 HR	16.5	13.5	105	4 – 4	2 – 2		14.5
72752a	150	120	25	22 HR	16.5	14.8	105	4 – 4	2 – 2		14.0
72753	185	120	28	25 HR	18.3	14.8	125	5 – 5	2 – 2		17.5
72753a	185	150	28	25 HR	18.3	16.5	125	5 – 5	2 – 2		17.0
72754	240	150	32	28 HR	21.0	16.5	125	5 – 5	2 – 2		22.5
72754a	240	185	32	28 HR	21.0	18.3	125	5 – 5	2 – 2		22.0
72755	300	185	34		23.4	18.3	125	5 – 5	2 – 2		36.0
72755a	300	240	34		23.4	21.0	125	5 – 5	2 – 2		35.0
72756	400	240	38	36 HR	26.0	21.0	150	–	3 – 3		36.0
72756a	400	300	38		26.0	23.6	150	–	3 – 3		36.5
72757b	500	240	44		29.0	21.0	195	–	3 – 3		–

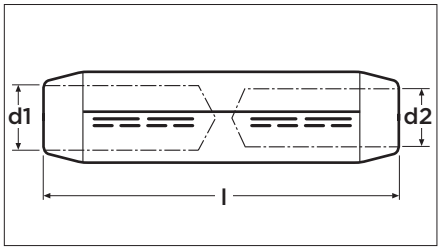
HR compress over full length

These sleeves are available for any combination of conductor.
Other dimensions on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Non-tension reduction compression sleeves 10 – 30 kV, with blind hole

for aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: uncoated

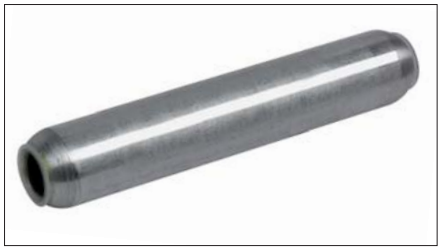
The sleeves are filled with contact grease and sealed in plastic foil.

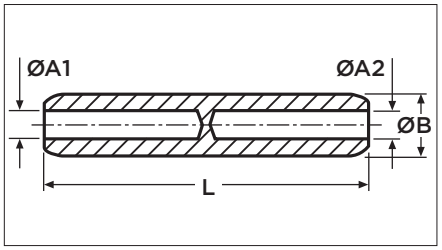
Part no.	Conductor cross-section (mm^2)		Conductor diameter (mm) VDE 0295		Die code no.		Dimensions (mm)			Number of compressions			Weight (approx. kg)
					hexa-	round				hexagonal		round	
	A1	A2	d1	d2	gonal	hydr.	d1	d2	l	mech.	hydr.	hydr.	100 pcs
72767	35	25	6.6 – 7.8	5.6 – 6.7	14	12 HR	8.3	7.0	95	4 – 4	2 – 2		5.5
72767a	35	35	6.6 – 7.8	6.6 – 7.8	14	12 HR	8.0	–	95	4 – 4	2 – 2		5.1
72767b	35	35	6.6 – 7.8		14	12 HR	8.0	5.4	95	4 – 4	2 – 2		
72768	50	25	7.7 – 8.6	5.6 – 6.7	16		9.8	6.8	95	4 – 4	2 – 2		5.5
72768a	50	35	7.7 – 8.6	6.6 – 7.8	16		9.8	8.0	95	4 – 4	2 – 2		3.6
72768b	50	50	7.7 – 8.6	7.7 – 8.6	16		10.0	–	95	4 – 4	2 – 2		3.5
72768c	50	16	7.7 – 8.6		16		–	–	95	4 – 4	2 – 2		
72769	70	35	9.3 – 10.2	6.6 – 7.8	18	16 HR	11.2	8.0	100	4 – 4	2 – 2		9.6
72769a	70	50	9.3 – 10.2	7.7 – 8.6	18	16 HR	11.2	9.8	100	4 – 4	2 – 2		9.4
72769b	70	70	9.3 – 10.2	9.3 – 10.2	18	16 HR	11.2	–	100	4 – 4	2 – 2		9.3
72769c	70	25	9.3 – 10.2	5.6 – 6.7	18	16 HR	11.2	6.8	100	4 – 4	2 – 2		
72770	95	35	11.0 – 12.0	6.6 – 7.8	22	20 HR	13.6	8.3	105	4 – 4	2 – 2		9.1
72770a	95	70	11.0 – 12.0	7.7 – 8.6	22	20 HR	13.2	11.2	105	4 – 4	2 – 2		9.1
72770b	95	95	11.0 – 12.0	11.0 – 12.0	22	20 HR	13.2	–	105	4 – 4	2 – 2		9.1
72770c	95	50	11.0 – 12.0	7.7 – 8.6	22	20 HR	13.6	9.8	105	4 – 4	2 – 2		9.1
72770d	95	25	11.0 – 12.0	5.6 – 6.7	22	20 HR	13.2	6.8	105	4 – 4	2 – 2		9.1
72771	120	70	12.5 – 13.5	9.3 – 10.2	22	20 HR	14.8	11.3	110	4 – 4	2 – 2		9.3
72771a	120	95	12.5 – 13.5	11.0 – 12.0	22	20 HR	14.8	13.5	110	4 – 4	2 – 2		8.6
72771b	120	120	12.5 – 13.5	12.5 – 13.5	22	20 HR	14.8	14.8	110	4 – 4	2 – 2		8.3
72772	150	95	13.9 – 15.0	11.0 – 12.0	25	22 HR	16.5	13.5	110	4 – 4	2 – 2		10.9
72772a	150	120	13.9 – 15.0	12.5 – 13.5	25	22 HR	16.5	14.8	110	4 – 4	2 – 2		10.4
72772b	150	150	13.9 – 15.0	13.9 – 15.0	25	22 HR	16.5	16.5	110	4 – 4	2 – 2		9.9
72773c	185	95	15.5 – 16.8	11.0 – 12.0	28	22 HR	18.3	13.5	130	5 – 5	2 – 2		
72773	185	120	15.5 – 16.8	12.5 – 13.5	28	25 HR	18.3	14.8	130	5 – 5	2 – 2		16.3
72773a	185	150	15.5 – 16.8	13.9 – 15.0	28	25 HR	18.3	16.5	130	5 – 5	2 – 2		15.7
72773b	185	185	15.5 – 16.8	15.5 – 16.8	28	25 HR	18.3	18.3	130	5 – 5	2 – 2		14.9
72774	240	150	17.8 – 19.2	13.9 – 15.0	32	28 HR	21.0	16.3	130	5 – 5	2 – 2		20.2
72774a	240	185	17.8 – 19.2	15.5 – 16.8	32	28 HR	21.0	18.3	130	5 – 5	2 – 2		19.2
72774b	240	240	17.8 – 19.2	20.0 – 21.6	32	28 HR	21.0	–	130	5 – 5	2 – 2		18.3
72774c	240	120	17.8 – 19.2	12.5 – 13.5	32	28 HR	21.0	14.7	130	5 – 5	2 – 2		
72774d	240	95	17.8 – 19.2	11.0 – 12.0	32	28 HR	21.0	13.2	130	5 – 5	2 – 2		
72774e	240	70	17.8 – 19.2	9.3 – 10.2	32	28 HR	21.0	11.2	130	5 – 5	2 – 2		
72774f	240	50	17.8 – 19.2	7.7 – 8.6	32	28 HR	21.0	9.8	130	5 – 5	2 – 2		
72775	300	185	20.0 – 21.6	15.5 – 16.8	34		23.3	18.3	135	5 – 5	3 – 3		22.6
72775a	300	240	20.0 – 21.6	17.8 – 19.2	34		23.3	21.0	135	5 – 5	3 – 3		21.2
72775b	300	300	20.0 – 21.6	20.0 – 21.6	34		23.3	–	135	5 – 5	3 – 3		19.9
72775c	300	150	20.0 – 21.6	13.9 – 15.0	34		23.3	16.3	135	5 – 5	3 – 3		
72775d	300	120	20.0 – 21.6	12.5 – 13.5	34		23.3	14.7	135	5 – 5	3 – 3		
72776	400	240	22.9 – 24.6	17.8 – 19.2	38	36 HR	26.0	21.0	165				61.0
72776b	400	400	22.9 – 24.6	22.9 – 24.6	38	36 HR	26.0	–	165		3 – 3		60.0
72776c	400	150	22.9 – 24.6	13.9 – 15.0	38	36 HR	26.0	16.3	165		3 – 3		59.0
72777	500	300					29.0	23.3	195		3 – 3		
72777b	500	500					29.0	–	195		3 – 3		
72777c	500	240					29.0	21.0	195		3 – 3		
72778c	625	240					35.0	21.0	230		3 – 3		
72778d	625	500					35.0	29.0	230		3 – 3		
72778e	625	400					35.0	26.0	230		3 – 3		

HR compress over full length

These sleeves are available for any combination of conductor.
Other dimensions on request.
For two or more changes in cross-section it is recommended that the outside diameter of the smaller cross-section is stepped. The stepped version is suitable for hexagonal compression only.

Aluminium sleeves, XN8BM type





Application

- These aluminium sleeves are used for non tension connections in MV and LV aluminium underground cables applications.

Description

- These sleeves are made of pure aluminium.
- Accept cables according to NFC 32013 and IEC 228.
- To be crimped by deep stepped indentation.
- Delivered with compound.

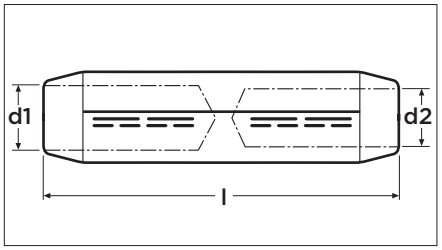
Features and benefits

Range from: 16 to 1200 mm² for equal cross-section. 25 – 16 mm² to 240 – 185 mm² for differents cross-sections.	One technology for all sizes of cables.
Crimped deep step indentation.	High quality connections independent installer's skills. Single connector model for a given conductor cross-sectional area (independent of the core compression ratio).
Blind hole.	Can be used as transition connection between plastic insulated cable and paper insulated cable.
Spherical design.	Avoid dieletric stress when re-insulated.
Compliance with specification C33090-1, electrical test performances in accordance, with NFC 63-061 Class A and IEC 1238-1 Class A.	

Aluminium sleeves for different crosssections

Designation	PN	RPN	Cross Section (mm²)	Dimensions (mm) ØB	ØA1	ØA2	L	Weight (g)	Standard Packaging
XN8BM 50-25	0-1273052-1	148264-000	50 – 25	20	9.0	6.5	106.5	100	3
XN8BM 50-35	0-1273053-1	568524-000	50 – 35	20	9.0	8.0	106.5	95	3
XN8BM 70-35	0-1273117-1	686854-000	70 – 35	20	11.0	8.0	106.5	–	3
XN8BM 70-50	0-1273118-1	110040-000	70 – 50	20	11.0	9.0	106.5	90	3
XN8BM 95-25	0-1273119-1	980870-000	95 – 25	20	12.5	6.5	106.5	–	3
XN8BM 95-35	0-1273121-1	128374-000	95 – 35	20	12.5	8.0	106.5	85	3
XN8BM 95-50	0-1273123-1	663952-000	95 – 50	20	12.5	9.0	106.5	80	3
XN8BM 95-70	0-1273126-1	342232-000	95 – 70	20	12.5	11.0	106.5	85	3
XN8BM 120-50	0-1273128-1	090968-000	120 – 50	25	13.7	9.0	133.0	–	3
XN8BM 120-95	0-1273130-1	648538-000	120 – 95	25	13.7	12.5	133.0	–	3
XN8BM 150-35	0-1273131-1	472210-000	150 – 35	25	15.5	8.0	133.0	155	3
XN8BM 150-50	0-1273133-1	410508-000	150 – 50	25	15.5	9.0	133.0	150	3
XN8BM 150-70	0-1273134-1	067994-000	150 – 70	25	15.5	11.0	133.0	150	3
XN8BM 150-95	0-1273148-1	298492-000	150 – 95	25	15.5	12.5	133.0	140	3
XN8BM 150-120	0-1273149-1	035234-000	150 – 120	25	15.5	13.7	133.0	140	3
XN8BM 185-150	0-1273156-1	103858-000	185 – 150	32	17.0	15.5	143.5	–	3
XN8BM 240-70	0-1273158-1	992498-000	240 – 70	32	19.5	11.0	143.5	290	3
XN8BM 240-95	0-1273160-1	767086-000	240 – 95	32	19.5	12.5	143.5	250	3
XN8BM 240-120	0-1273162-1	769054-000	240 – 120	32	19.5	13.7	143.5	–	3
XN8BM 240-150	0-1273165-1	229092-000	240 – 150	32	19.5	15.5	143.5	240	3
XN8BM 240-185	0-1273168-1	951622-000	240 – 185	32	19.5	17.0	143.5	–	3

Non-tension reduction compression sleeves 10 – 30 kV, without blind hole, electro-tinned (20 ym) for aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: electro-tinned (20 ym)

The sleeves are filled with contact grease and sealed in plastic foil.

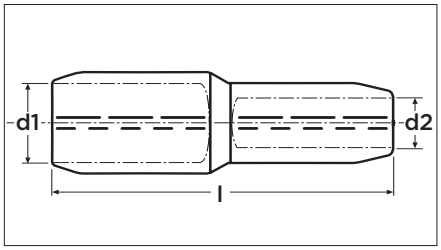
Part no.	Conductor cross-section (mm^2)		Conductor diameter (mm) VDE 0295		Die code no.		Dimensions (mm)			Number of compressions			Weight (approx. kg)
					hexa-	round				hexagonal		round	
	A1	A2	d1	d2	gonal	hydr.	d1	d2	l	mech.	hydr.	hydr.	100 pcs
72787	35	25	6.6 – 7.8	5.6 – 6.7	14	12 HR	8.3	7.0	95	4 – 4	2 – 2		5.5
72787a	35	35	6.6 – 7.8	6.6 – 7.8	14	12 HR	8.3	8.3	95	4 – 4	2 – 2		5.1
72788	50	25	7.7 – 8.6	5.6 – 6.7	16		10.0	7.0	95	4 – 4	2 – 2		5.5
72788a	50	35	7.7 – 8.6	6.6 – 7.8	16		10.0	8.3	95	4 – 4	2 – 2		3.6
72788b	50	50	7.7 – 8.6	7.7 – 8.6	16		10.0	10.0	95	4 – 4	2 – 2		3.5
72789	70	35	9.3 – 10.2	6.6 – 7.8	18	16 HR	11.3	8.3	100	4 – 4	2 – 2		9.6
72789a	70	50	9.3 – 10.2	7.7 – 8.6	18	16 HR	11.3	10.0	100	4 – 4	2 – 2		9.4
72789b	70	70	9.3 – 10.2	9.3 – 10.2	18	16 HR	11.3	11.3	100	4 – 4	2 – 2		9.3
72790	95	35	11.0 – 12.0	7.7 – 8.6	22	20 HR	13.6	10.0	105	4 – 4	2 – 2		9.2
72790a	95	70	11.0 – 12.0	9.3 – 10.2	22	20 HR	13.6	11.3	105	4 – 4	2 – 2		9.1
72790b	95	95	11.0 – 12.0	11.0 – 12.0	22	20 HR	13.6	13.5	105	4 – 4	2 – 2		8.6
72791	120	70	12.5 – 13.5	9.3 – 10.2	22	20 HR	14.8	11.3	110	4 – 4	2 – 2		9.3
72791a	120	95	12.5 – 13.5	11.0 – 12.0	22	20 HR	14.8	13.5	110	4 – 4	2 – 2		8.6
72791b	120	120	12.5 – 13.5	12.5 – 13.5	22	20 HR	14.8	14.8	110	4 – 4	2 – 2		8.3
72792	150	95	13.9 – 15.0	11.0 – 12.0	25	22 HR	16.5	13.5	110	4 – 4	2 – 2		10.9
72792a	150	120	13.9 – 15.0	12.5 – 13.5	25	22 HR	16.5	14.8	110	4 – 4	2 – 2		10.4
72792b	150	150	13.9 – 15.0	13.9 – 15.0	25	22 HR	16.5	16.5	110	4 – 4	2 – 2		9.9
72793	185	120	15.5 – 16.8	12.5 – 13.5	28	25 HR	18.3	14.8	130	5 – 5	2 – 2		16.3
72793a	185	150	15.5 – 16.8	13.9 – 15.0	28	25 HR	18.3	16.5	130	5 – 5	2 – 2		15.7
72793b	185	185	15.5 – 16.8	15.5 – 16.8	28	25 HR	18.3	18.3	130	5 – 5	2 – 2		14.9
72794d	240	95	17.8 – 19.2	11.0 – 12.0	32	28 HR	21.0	13.5	130	5 – 5	2 – 2		19.5
72794	240	150	17.8 – 19.2	13.9 – 15.0	32	28 HR	21.0	16.5	130	5 – 5	2 – 2		20.2
72794a	240	185	17.8 – 19.2	15.5 – 16.8	32	28 HR	21.0	18.3	130	5 – 5	2 – 2		19.2
72794b	240	240	17.8 – 19.2	17.8 – 19.2	32	28 HR	21.0	21.0	130	5 – 5	2 – 2		18.3
72795	300	185	20.0 – 21.6	15.5 – 16.8	34		23.4	18.3	135	5 – 5	2 – 2		22.6
72795a	300	240	20.0 – 21.6	17.8 – 19.2	34		23.4	21.0	135	5 – 5	2 – 2		21.2
72795b	300	300	20.0 – 21.6	20.0 – 21.6	34		23.4	23.4	135	5 – 5	2 – 2		19.9
72796	400	240	22.9 – 24.6	17.8 – 19.2	38	36 HR	26.0	21.0	165		3 – 3		61.0
72796a	400	300	22.9 – 24.6	20.0 – 21.6	38	36 HR	26.0	23.4	165		3 – 3		60.0
72796b	400	400	22.9 – 24.6	22.9 – 24.6	38	36 HR	26.0	26.0	165		3 – 3		59.0

HR compress over full length

These sleeves are available for any combination of conductor.
Other dimensions on request.
For two or more changes in cross-section it is recommended that the outside diameter of the smaller cross-section is stepped. The stepped version is suitable for hexagonal compression only.

Non-tension bimetal compression sleeves 10 – 30 kV

for aluminium and copper cable conductors acc. to DIN VDE 0295



Material: aluminium and copper
Surface: uncoated

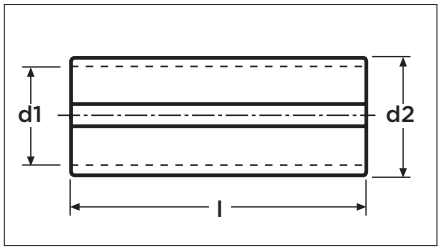
The sleeves are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm²) Al rm/sm	Al re/se	Cu rm/sm	Die code no. Al	Cu	Dimensions (mm) d1	d2	l	Number of compressions mech. Al	Cu	hydr. Al	Cu	Weight (approx. kg) 100 pcs
71349b	70	95	35	18	12	11.2	8.2	86	6	2	3	–	6.0
71349a	70	95	50	18	14	11.2	10.0	92	6	3	3	–	6.2
71349	70	95	70	18	16	11.2	11.5	93	6	3	3	–	6.6
71350c	95	120	35	22	12	13.2	8.2	89	6	2	3	–	9.5
71350b	95	120	50	22	14	13.2	10.0	95	6	3	3	–	9.5
71350a	95	120	70	22	16	13.2	11.5	97	6	3	3	–	11.7
71350	95	120	95	22	18	13.2	13.5	105	6	4	3	2	12.3
71351d	120	150	35	22	12	14.7	8.2	91	6	2	3	–	9.2
71351c	120	150	50	22	14	14.7	10.0	97	6	3	3	–	9.5
71351b	120	150	70	22	16	14.7	11.5	99	6	3	3	–	10.5
71351a	120	150	95	22	18	14.7	13.5	107	6	4	3	2	12.5
71351	120	150	120	22	20	14.7	15.5	107	6	4	3	2	12.5
71352c	150	185	70	25	14	16.3	11.5	110	7	3	3	–	11.5
71352b	150	185	95	25	16	16.3	13.5	118	7	4	3	2	14.0
71352a	150	185	120	25	18	16.3	15.5	118	7	4	3	2	15.5
71352	150	185	150	25	20	16.3	17.0	123	7	5	3	2	16.5
71353e	185	240	50	28	14	18.3	10.0	113	7	3	3	–	17.0
71353d	185	240	70	28	16	18.3	11.5	113	7	3	3	2	17.0
71353c	185	240	95	28	18	18.3	13.5	121	7	4	3	2	17.3
71353b	185	240	120	28	20	18.3	15.5	121	7	4	3	2	17.5
71353a	185	240	150	28	22	18.3	17.0	126	7	5	3	2	21.5
71353	185	240	185	28	25	18.3	19.0	129	7	5	3	2	20.5
71354c	240	300	120	32	20	21.0	15.5	134	8	4	3	2	25.0
71354b	240	300	150	32	22	21.0	17.0	139	8	5	3	2	26.5
71354a	240	300	185	32	25	21.0	19.0	142	8	5	3	2	27.0
71354	240	300	240	32	28	21.0	21.5	143	8	5	3	2	31.5
71355c	300		150	34	22	23.3	17.0	139	8	4	3	2	36.0
71355b	300		185	34	25	23.3	19.0	142	8	5	3	2	37.0
71355a	300		240	34	28	23.3	21.5	143	8	5	3	2	44.0
71355	300		300	34	32	23.3	24.5	149	8	6	3	2	48.0
71356b	400		240	38	28	26.0	21.5	158	–	–	3	2	–
71356c	400		300	38	32	26.0	24.5	161	–	–	3	2	–
71357b	500		300	44	32	29.0	24.5	170	–	–	3	2	–
71358a	625		500	52	44	40.0	29.0	220	–	–	3	3	–
71359a	800		625	58	52	40.0	34.5	245	–	–	3	3	–

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Reduction sleeves

for copper compression joints and bimetal compression joints 1 – 30 kV

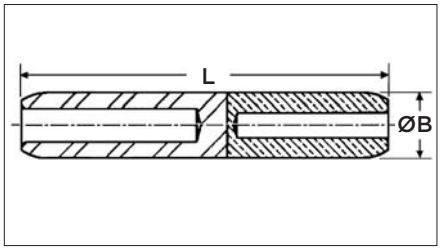


Material: copper
Surface: uncoated

Part no.	Conductor cross-section (mm²)		Dimensions (mm)			Weight (approx. kg)
	A2	A1	d1	d2	l	100 pcs
70856	25	10	4.5	7.0	25	0.2
70856a	25	16	5.7	7.0	25	0.3
70857	35	10	4.5	8.2	25	0.3
70857a	35	16	5.7	8.2	25	0.6
70857b	35	25	7.0	8.2	25	0.3
70858	50	16	5.7	10.0	33	1.6
70858a	50	25	7.0	10.0	33	1.2
70858b	50	35	8.2	10.0	33	0.6
70859	70	25	7.0	11.5	33	1.8
70859a	70	35	8.2	11.5	33	1.4
70859b	70	50	10.0	11.5	33	1.6
70860	95	25	7.0	13.5	45	3.4
70860a	95	35	8.2	13.5	45	2.8
70860b	95	50	10.0	13.5	45	2.0
70860c	95	70	11.5	13.5	45	1.6
70861	120	35	8.2	15.5	45	5.4
70861a	120	50	10.0	15.5	45	3.9
70861b	120	70	11.5	15.5	45	3.0
70861c	120	95	13.5	15.5	45	1.8
70862	150	50	10.0	17.0	53	5.4
70862a	150	70	11.5	17.0	53	4.5
70862b	150	95	13.5	17.0	53	3.2
70862c	150	120	15.5	17.0	53	2.5
70863	185	70	11.5	19.0	53	11.1
70863a	185	95	13.5	19.0	53	5.1
70863b	185	120	15.5	19.0	53	3.2
70863c	185	150	17.0	19.0	53	2.5
70864	240	95	13.5	21.5	55	16.5
70864a	240	120	15.5	21.5	55	7.1
70864b	240	150	17.0	21.5	55	6.0
70864c	240	185	19.0	21.5	55	5.5
70865	300	120	15.5	24.0	58	7.5
70865a	300	150	17.0	24.0	58	5.4
70865b	300	185	19.0	24.0	58	5.2
70865c	300	240	21.5	24.0	58	5.0
70866	400	185	19.0	26.0	80	8.0
70866a	400	240	21.5	26.0	80	7.8
70866b	400	300	24.0	26.0	80	7.5

Other dimensions up to 1000 mm on request.
Also available in other lengths.

Bimetallic sleeves, XG87BM and XN87BM type



Application

- These bimetallic aluminium-sleeves are used to join together MV cables of:
- Equal cross-section under XG87BM,
- Different cross-section under reference XN87 BM.

Description

- These bimetallic sleeves are composed of one aluminium barrel friction welded on one copper barrel.
- The spherical end form of it, permit the utilisation in MV accesories.
- The aluminium part is crimped by deep stepped indentation (PPE).
- The copper part is crimped by hexagonal crimping.

Features and benefits

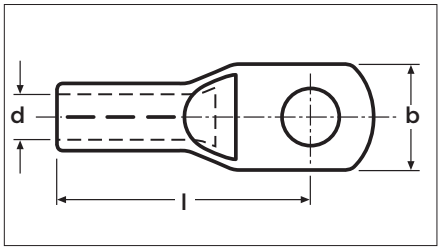
Range from: 50 to 240 mm² for equal cross-section. 70 to 240 mm² for different cross-section.	One technology for all sizes of cables.
Friction welding technology.	Age resistant current passage from the aluminium to copper.
Deep stepped indentation.	Hight quality connections independent installer's skills. Single sleeve model for a given cablecross-sectionnal area.
Compliance with specification C33090-1, electrical test performance in accordance, with NFC 63-061 Class A and I.E.C 1238-1 Class A.	

Designation	PN	RPN	Cross Section (mm²)		Dimensions (mm)		Weight (g)	Standard Packaging
			Alu	Copper	ØB	L		
Bimetallic joint for equal cross-section								
XG87BM 70*	0-1273212-1	339128-000	70	70	20	106.5	–	3
XG87BM 95	0-1273219-1	155116-000	95	95	20	106.5	135	3
XG87BM 120*	0-0789534-1	291636-000	120	120	25	133	–	3
XG87BM 150	0-1273221-1	106116-000	150	150	25	133	280	3
XG87BM 185*	0-0789555-1	377442-000	185	185	32	143.5	–	3
XG87BM 240	0-0789537-1	366938-000	240	240	32	143.5	480	3
Bimetallic joint for different cross-section								
XN87BM 95-70	0-1273220-1	302326-000	95	70	20	107	145	3
XN87BM 150-70	0-0789514-1	719582-000	150	70	25	133	315	3
XN87BM 150-95	0-0789526-1	558016-000	150	95	25	133	300	3
XN87BM 150-120	0-0789527-1	517044-000	150	120	25	133	290	3
XN87BM 240-95	0-0789544-1	447926-000	240	95	32	144	550	3
XN87BM 240-120	0-0789548-1	104418-000	240	120	32	144	535	3
XN87BM 240-150	0-0789550-1	319136-000	240	150	32	144	530	3
XN87BM 240-185	0-0789551-1	–	240	185	32	144	135	3

* Sizes not included in C33090-1 Standard.

Compression cable lugs acc. to DIN 46235

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



Material: copper
Surface: uncoated

Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70103	6		2.75	3.0	5	3.8	24	8.5	5.4	1		0.6
70103a	6		2.75	3.0	5	3.8	24	8.5	6.5	1		0.6
70104	10		3.55	4.1	6	4.5	27	9.0	5.4	1		0.6
70104a	10		3.55	4.1	6	4.5	27	9.0	6.5	1		0.6
70104e*	10		3.55	4.1	8	4.5	36	13.0	6.5	2		1.8
70104f*	10		3.55	4.1	8	4.5	36	13.0	8.5	2		1.7
70104g*	10		3.55	4.1	8	4.5	36	17.0	10.5	2		1.8
70104h*	10		3.55	4.1	8	4.5	38	20.0	13.0	2		1.9
70105**	16		4.50	5.1	8	5.5	36	13.0	6.5	2		1.5
70105a	16		4.50	5.1	8	5.5	36	13.0	8.5	2		1.4
70105b	16		4.50	5.1	8	5.5	36	17.0	10.5	2		1.5
70105c	16		4.50	5.1	8	5.5	36	20.0	13.0	2		1.7
70106**	25	5.6 – 6.5		6.3	10	7.0	38	14.0	6.5	2		2.2
70106a	25	5.6 – 6.5		6.3	10	7.0	38	16.0	8.5	2		2.1
70106b	25	5.6 – 6.5		6.3	10	7.0	38	17.0	10.5	2		2.2
70106c	25	5.6 – 6.5		6.3	10	7.0	38	19.0	13.0	2		2.2
70106d	25	5.6 – 6.5		6.3	10	7.0	38	25.0	17.0	2		2.4
70107d**	35	6.6 – 7.5		7.5	12	8.2	42	17.0	6.5	2		3.6
70107	35	6.6 – 7.5		7.5	12	8.2	42	17.0	8.5	2		3.3
70107a	35	6.6 – 7.5		7.5	12	8.2	42	19.0	10.5	2		3.5
70107b	35	6.6 – 7.5		7.5	12	8.2	42	21.0	13.0	2		3.3
70107c**	35	6.6 – 7.5		7.5	12	8.2	42	26.0	17.0	2		3.7
70108	50	7.7 – 8.6		9.0	14	10.0	52	20.0	8.5	3		4.4
70108a	50	7.7 – 8.6		9.0	14	10.0	52	22.0	10.5	3		4.5
70108b	50	7.7 – 8.6		9.0	14	10.0	52	24.0	13.0	3		4.4
70108c	50	7.7 – 8.6		9.0	14	10.0	52	28.0	17.0	3		5.0
70109d	70	9.3 – 10.2		10.5	16	11.5	55	24.0	8.5	3		6.1
70109	70	9.3 – 10.2		10.5	16	11.5	55	24.0	10.5	3		6.1
70109a	70	9.3 – 10.2		10.5	16	11.5	55	24.0	13.0	3		6.2
70109b	70	9.3 – 10.2		10.5	16	11.5	55	30.0	17.0	3		5.9
70109c	70	9.3 – 10.2		10.5	16	11.5	55	32.0	21.0	3		7.0
70110	95	11.0 – 12.0		12.5	18	13.5	65	28.0	10.5	4	2	9.2
70110a	95	11.0 – 12.0		12.5	18	13.5	65	28.0	13.0	4	2	9.2
70110b	95	11.0 – 12.0		12.5	18	13.5	65	32.0	17.0	4	2	9.1
70110c**	95	11.0 – 12.0		12.5	18	13.5	65	34.0	21.0	4	2	10.4

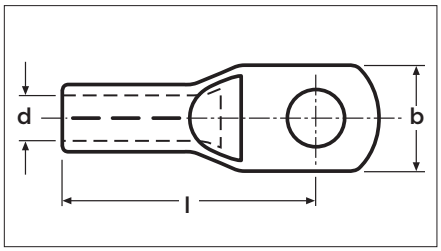
* These cable lugs are longer than the DIN version; they have two compression marks instead of one and the die code is 8 instead of 6.

** These cable lugs are special versions, deviating from DIN 46235.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs acc. to DIN 46235

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



Material: copper
Surface: uncoated

Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70111c	120	12.5 – 13.5		14.0	20	15.5	70	32.0	10.5	4	2	11.4
70111	120	12.5 – 13.5		14.0	20	15.5	70	32.0	13.0	4	2	11.6
70111a	120	12.5 – 13.5		14.0	20	15.5	70	32.0	17.0	4	2	11.0
70111b	120	12.5 – 13.5		14.0	20	15.5	70	38.0	21.0	4	2	12.8
70112c	150	13.9 – 15.0		15.7	22	17.0	78	34.0	10.5	4	2	16.9
70112	150	13.9 – 15.0		15.7	22	17.0	78	34.0	13.0	4	2	16.4
70112a	150	13.9 – 15.0		15.7	22	17.0	78	34.0	17.0	4	2	16.3
70112b	150	13.9 – 15.0		15.7	22	17.0	78	40.0	21.0	4	2	17.0
70113b	185	15.5 – 16.8		17.5	25	19.0	82	37.0	10.5	5	2	19.3
70113c	185	15.5 – 16.8		17.5	25	19.0	82	37.0	13.0	5	2	19.4
70113	185	15.5 – 16.8		17.5	25	19.0	82	37.0	17.0	5	2	19.1
70113a	185	15.5 – 16.8		17.5	25	19.0	82	40.0	21.0	5	2	20.0
70114b	240	17.8 – 19.2		20.2	28	21.5	92	42.0	13.0		2	28.5
70114	240	17.8 – 19.2		20.2	28	21.5	92	42.0	17.0		2	28.9
70114a	240	17.8 – 19.2		20.2	28	21.5	92	45.0	21.0		2	28.0
70115b*	300	20.0 – 21.6		22.5	32	24.5	100	48.0	13.0		2	38.1
70115	300	20.0 – 21.6		22.5	32	24.5	100	48.0	17.0		2	37.5
70115a	300	20.0 – 21.6		22.5	32	24.5	100	48.0	21.0		2	38.5
70116**	400	22.9 – 24.6			38	26.0	115	55.0	17.0		3	79.8
70116a**	400	22.9 – 24.6			38	26.0	115	55.0	21.0		3	76.6
70116b	400			26.0	38	27.5	115	55.0	17.0		3	68.8
70116c	400			26.0	38	27.5	115	55.0	21.0		3	66.0
70117* / **	500	25.7 – 27.6			42	29.0	125	60.0	17.0		3	97.8
70117a**	500	25.7 – 27.6			42	29.0	125	60.0	21.0		3	96.0
70117b*	500			29.1	42	31.0	125	60.0	17.0		3	85.0
70117c	500			29.1	42	31.0	125	60.0	21.0		3	83.5
70118*	625	29.3 – 32.5		32.6	44	34.5	135	60.0	17.0		3	79.4
70118a	625	29.3 – 32.5		32.6	44	34.5	135	60.0	21.0		3	77.9
70119	800			36.8	52	40.0	165	75.0	21.0		3	146.9
70120	1000			41.1	58	44.0	165	85.0	21.0		3	191.1

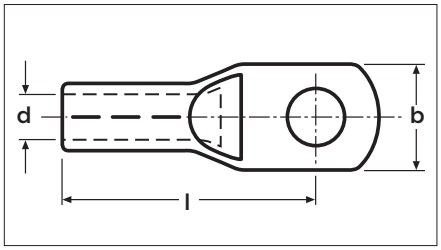
* These cable lugs are special versions, deviating from DIN 46235.
** Inside diameter to DIN 57295.

Use a rounding die to round sector-shaped conductors.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs acc. to DIN 46235, electro-tinned

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



Material: copper
Surface: electro-tinned

Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70123	6		2.75	3.0	5	3.8	24	8.5	5.4	1		0.6
70123a	6		2.75	3.0	5	3.8	24	8.5	6.5	1		0.6
70124	10		3.55	4.1	6	4.5	27	9.0	5.4	1		0.6
70124a	10		3.55	4.1	6	4.5	27	9.0	6.5	1		0.6
70124e*	10		3.55	4.1	8	4.5	36	13.0	6.5	2		1.8
70124f*	10		3.55	4.1	8	4.5	36	13.0	8.5	2		1.7
70124g*	10		3.55	4.1	8	4.5	36	17.0	10.5	2		1.8
70124h*	10		3.55	4.1	8	4.5	38	20.0	13.0	2		1.9
70125**	16		4.50	5.1	8	5.5	36	13.0	6.5	2		1.8
70125a	16		4.50	5.1	8	5.5	36	13.0	8.5	2		1.4
70125b	16		4.50	5.1	8	5.5	36	17.0	10.5	2		1.5
70125c	16		4.50	5.1	8	5.5	36	20.0	13.0	2		1.7
70126**	25	5.6 – 6.5		6.3	10	7.0	38	14.0	6.5	2		2.2
70126a	25	5.6 – 6.5		6.3	10	7.0	38	16.0	8.5	2		2.1
70126b	25	5.6 – 6.5		6.3	10	7.0	38	17.0	10.5	2		2.2
70126c	25	5.6 – 6.5		6.3	10	7.0	38	19.0	13.0	2		2.2
70126d	25	5.6 – 6.5		6.3	10	7.0	38	25.0	17.0	2		2.4
70127d**	35	6.6 – 7.5		7.5	12	8.2	42	17.0	6.5	2		3.6
70127	35	6.6 – 7.5		7.5	12	8.2	42	17.0	8.5	2		3.3
70127a	35	6.6 – 7.5		7.5	12	8.2	42	19.0	10.5	2		3.5
70127b	35	6.6 – 7.5		7.5	12	8.2	42	21.0	13.0	2		3.3
70127c	35	6.6 – 7.5		7.5	12	8.2	42	26.0	17.0	2		3.7
70128	50	7.7 – 8.6		9.0	14	10.0	52	20.0	8.5	3		4.4
70128a	50	7.7 – 8.6		9.0	14	10.0	52	22.0	10.5	3		4.5
70128b	50	7.7 – 8.6		9.0	14	10.0	52	24.0	13.0	3		4.4
70128c	50	7.7 – 8.6		9.0	14	10.0	52	28.0	17.0	3		5.0
70129d	70	9.3 – 10.2		10.5	16	11.5	55	24.0	8.5	3		6.1
70129	70	9.3 – 10.2		10.5	16	11.5	55	24.0	10.5	3		6.1
70129a	70	9.3 – 10.2		10.5	16	11.5	55	24.0	13.0	3		6.2
70129b	70	9.3 – 10.2		10.5	16	11.5	55	30.0	17.0	3		5.9
70129c	70	9.3 – 10.2		10.5	16	11.5	55	32.0	21.0	3		7.0
70130	95	11.0 – 12.0		12.5	18	13.5	65	28.0	10.5	4	2	9.2
70130a	95	11.0 – 12.0		12.5	18	13.5	65	28.0	13.0	4	2	9.2
70130b	95	11.0 – 12.0		12.5	18	13.5	65	32.0	17.0	4	2	9.1
70130c**	95	11.0 – 12.0		12.5	18	13.5	65	34.0	21.0	4	2	10.4

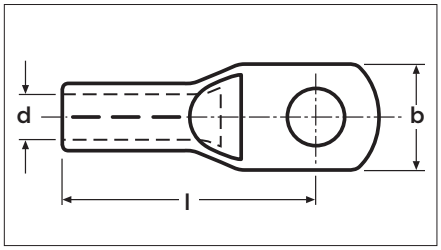
* These cable lugs are longer than the DIN version; they have two compression marks instead of one and the die code is 8 instead of 6.

** These cable lugs are special versions, deviating from DIN 46235.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs acc. to DIN 46235, electro-tinned

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



Material: copper
Surface: electro-tinned

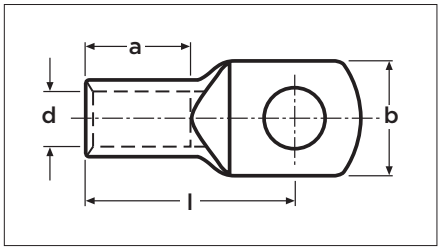
Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70131c	120	12.5 – 13.5		14.0	20	15.5	70	32.0	10.5	4	2	11.4
70131	120	12.5 – 13.5		14.0	20	15.5	70	32.0	13.0	4	2	11.6
70131a	120	12.5 – 13.5		14.0	20	15.5	70	32.0	17.0	4	2	11.0
70131b	120	12.5 – 13.5		14.0	20	15.5	70	38.0	21.0	4	2	12.8
70132c	150	13.9 – 15.0		15.7	22	17.0	78	34.0	10.5	4	2	16.9
70132	150	13.9 – 15.0		15.7	22	17.0	78	34.0	13.0	4	2	16.4
70132a	150	13.9 – 15.0		15.7	22	17.0	78	34.0	17.0	4	2	16.3
70132b	150	13.9 – 15.0		15.7	22	17.0	78	40.0	21.0	4	2	17.0
70133b	185	15.5 – 16.8		17.5	25	19.0	82	37.0	10.5	5	2	19.3
70133c	185	15.5 – 16.8		17.5	25	19.0	82	37.0	13.0	5	2	19.4
70133	185	15.5 – 16.8		17.5	25	19.0	82	37.0	17.0	5	2	19.1
70133a	185	15.5 – 16.8		17.5	25	19.0	82	40.0	21.0	5	2	20.0
70134b	240	17.8 – 19.2		20.2	28	21.5	92	42.0	13.0		2	28.5
70134	240	17.8 – 19.2		20.2	28	21.5	92	42.0	17.0		2	28.9
70134a	240	17.8 – 19.2		20.2	28	21.5	92	45.0	21.0		2	28.0
70135b*	300	20.0 – 21.6		22.5	32	24.5	100	48.0	13.0		2	38.1
70135	300	20.0 – 21.6		22.5	32	24.5	100	48.0	17.0		2	37.5
70135a	300	20.0 – 21.6		22.5	32	24.5	100	48.0	21.0		2	38.5
70136**	400	22.9 – 24.6			38	26.0	115	55.0	17.0		3	79.8
70136a**	400	22.9 – 24.6			38	26.0	115	55.0	21.0		3	76.6
70137*/**	500	25.7 – 27.6			42	29.0	125	60.0	17.0		3	97.8
70137a**	500	25.7 – 27.6			42	29.0	125	60.0	21.0		3	96.0
70136b	400			26.0	38	27.5	115	55.0	17.0		3	68.8
70136c	400			26.0	38	27.5	115	55.0	21.0		3	66.0
70137b*	500			29.1	42	31.0	125	60.0	17.0		3	85.0
70137c	500			29.1	42	31.0	125	60.0	21.0		3	83.5
70138*	625	29.3 – 32.5		32.6	44	34.5	135	64.0	17.0		3	79.4
70138a	625	29.3 – 32.5		32.6	44	34.5	135	64.0	21.0		3	77.9
70139	800			36.8	52	40.0	165	75.0	21.0		3	146.9
70140	1000			41.1	58	44.0	165	85.0	21.0		3	191.1

* These cable lugs are special versions, deviating from DIN 46235 and the die code is 8 instead of 6.
** Inside diameter to DIN 57295.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs, commercial type, without inspection hole, electro-tinned

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN 57295



Material: copper, DIN 40500
Surface: electro-tinned

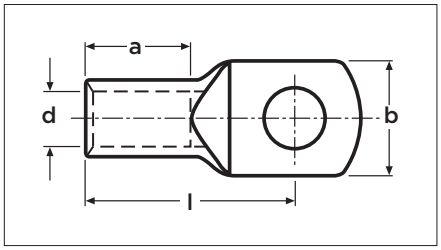
Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) DIN 57295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Dimensions (mm) d	a	l	b	Flat hole diameter (mm)	Weight (approx. kg) 100 pcs
70153	6		2.75	3.0	3.6	9	21	11.4	5.3	0.4
70153a	6		2.75	3.0	3.6	9	21	11.4	6.5	0.4
70153b	6		2.75	3.0	3.6	9	23	13.0	8.5	0.4
70153c	6		2.75	3.0	3.6	9	25	16.0	10.5	0.5
70154	10		3.55	4.1	4.5	10	22	11.5	5.3	0.4
70154a	10		3.55	4.1	4.5	10	22	11.5	6.5	0.4
70154b	10		3.55	4.1	4.5	10	23	14.0	8.5	0.4
70154c	10		3.55	4.1	4.5	10	27	18.0	10.5	0.5
70155	16		4.50	5.1	5.4	12	22	13.0	5.3	0.5
70155a	16		4.50	5.1	5.4	12	22	13.0	6.5	0.7
70155b	16		4.50	5.1	5.4	12	26	14.0	8.5	0.8
70155c	16		4.50	5.1	5.4	12	29	17.0	10.5	0.8
70155d	16		4.50	5.1	5.4	12	30	20.0	13.0	0.8
70156	25	5.6 – 6.5		6.3	6.9	14	28	14.0	6.5	1.0
70156a	25	5.6 – 6.5		6.3	6.9	14	30	16.0	8.5	1.0
70156b	25	5.6 – 6.5		6.3	6.9	14	32	18.0	10.5	1.1
70156c	25	5.6 – 6.5		6.3	6.9	14	35	20.0	13.0	1.0
70157	35	6.6 – 7.5		7.5	8.3	17	32	18.0	6.5	1.0
70157a	35	6.6 – 7.5		7.5	8.3	17	32	18.0	8.5	1.0
70157b	35	6.6 – 7.5		7.5	8.3	17	35	18.0	10.5	1.1
70157c	35	6.6 – 7.5		7.5	8.3	17	37	21.0	13.0	1.0
70158	50	7.7 – 8.6		9.0	9.6	20	38	21.0	8.5	3.1
70158a	50	7.7 – 8.6		9.0	9.6	20	39	21.0	10.5	3.2
70158b	50	7.7 – 8.6		9.0	9.6	20	43	21.0	13.0	3.3
70158c	50	7.7 – 8.6		9.0	9.6	20	46	23.0	17.0	3.2
70159	70	9.3 – 10.2		10.5	11.5	21	41	22.0	8.5	3.5
70159a	70	9.3 – 10.2		10.5	11.5	21	41	22.0	10.5	3.6
70159b	70	9.3 – 10.2		10.5	11.5	21	41	22.0	13.0	3.6
70159c	70	9.3 – 10.2		10.5	11.5	21	50	28.0	17.0	3.6
70159d	70	9.3 – 10.2		10.5	11.5	21	53	31.0	21.0	4.6

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs, commercial type, without inspection hole, electro-tinned

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN 57295



Material: copper, DIN 40500
Surface: electro-tinned

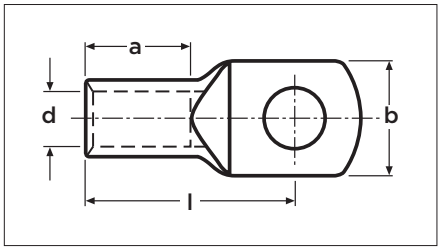
Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) DIN 57295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Dimensions (mm) d	a	l	b	Flat hole diameter (mm)	Weight (approx. kg) 100 pcs
70160	95	11.0 – 12.0		12.5	13.5	24	48	25	8.5	4.7
70160a	95	11.0 – 12.0		12.5	13.5	24	48	25	10.5	4.8
70160b	95	11.0 – 12.0		12.5	13.5	24	49	25	13.0	4.9
70160c	95	11.0 – 12.0		12.5	13.5	24	53	32	17.0	5.3
70160d	95	11.0 – 12.0		12.5	13.5	24	55	35	21.0	6.1
70161	120	12.5 – 13.5		14.0	15.5	26	52	29	10.5	6.7
70161a	120	12.5 – 13.5		14.0	15.5	26	52	29	13.0	6.7
70161b	120	12.5 – 13.5		14.0	15.5	26	52	29	17.0	6.9
70161c	120	12.5 – 13.5		14.0	15.5	26	54	35	21.0	6.9
70162	150	13.9 – 15.0		15.7	16.9	29	55	31	10.5	8.8
70162a	150	13.9 – 15.0		15.7	16.9	29	55	31	13.0	8.6
70162b	150	13.9 – 15.0		15.7	16.9	29	57	31	17.0	8.7
70162c	150	13.9 – 15.0		15.7	16.9	29	60	35	21.0	8.8
70163	185	15.8 – 16.8		17.5	19.0	30	65	35	13.0	11.5
70163a	185	15.8 – 16.8		17.5	19.0	30	65	35	17.0	11.6
70163b	185	15.8 – 16.8		17.5	19.0	30	66	38	21.0	11.8
70164	240	17.8 – 19.2		20.2	21.0	38	70	38	13.0	13.9
70164a	240	17.8 – 19.2		20.2	21.0	38	70	38	17.0	13.6
70164b	240	17.8 – 19.2		20.2	21.0	38	73	38	21.0	13.8
70165	300	20.0 – 21.6		22.5	24.0	45	88	48	13.0	23.8
70165a	300	20.0 – 21.6		22.5	24.0	45	89	48	17.0	23.7
70165b	300	20.0 – 21.6		22.5	24.0	45	97	48	21.0	23.8
70166	400	22.9 – 24.6			27.5	50	90	49	17.0	28.4
70166a	400	22.9 – 24.6			27.5	50	90	49	21.0	28.5
70167	500	25.7 – 27.6			31.0	70	124	55	17.0	45.2
70167a	500	25.7 – 27.6			31.0	70	124	55	21.0	46.9
70168	625	29.3 – 32.5		32.6	34.0	70	121	59	17.0	43.9
70168a	625	29.3 – 32.5		32.6	34.0	70	121	59	21.0	46.9

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs, commercial type, with inspection hole, electro-tinned

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN 57295



Material: copper, DIN 40500
Surface: electro-tinned

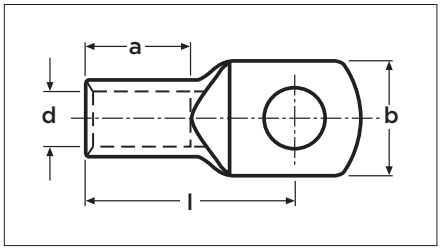
Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) DIN 57295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Dimensions (mm) d	a	l	b	Flat hole diameter (mm)	Weight (approx. kg) 100 pcs
70183	6		2.75	3.0	3.6	9	21	11.4	5.3	0.4
70183a	6		2.75	3.0	3.6	9	21	11.4	6.5	0.4
70183b	6		2.75	3.0	3.6	9	23	13.0	8.5	0.4
70183c	6		2.75	3.0	3.6	9	25	16.0	10.5	0.7
70184	10		3.55	4.1	4.5	10	22	11.5	5.3	0.4
70184a	10		3.55	4.1	4.5	10	22	11.5	6.5	0.4
70184b	10		3.55	4.1	4.5	10	23	14.0	8.5	0.4
70184c	10		3.55	4.1	4.5	10	27	18.0	10.5	0.5
70185	16		4.50	5.1	5.4	12	22	13.0	5.3	0.7
70185a	16		4.50	5.1	5.4	12	22	13.0	6.5	0.7
70185b	16		4.50	5.1	5.4	12	26	14.0	8.5	0.8
70185c	16		4.50	5.1	5.4	12	29	17.0	10.5	0.8
70185d	16		4.50	5.1	5.4	12	30	20.0	13.0	0.8
70186	25	5.6 – 6.5		6.3	6.9	14	28	14.0	6.5	1.0
70186a	25	5.6 – 6.5		6.3	6.9	14	30	16.0	8.5	1.0
70186b	25	5.6 – 6.5		6.3	6.9	14	32	18.0	10.5	1.1
70186c	25	5.6 – 6.5		6.3	6.9	14	35	20.0	13.0	1.0
70187	35	6.6 – 7.5		7.5	8.3	17	32	18.0	6.5	1.5
70187a	35	6.6 – 7.5		7.5	8.3	17	32	18.0	8.5	1.6
70187b	35	6.6 – 7.5		7.5	8.3	17	35	18.0	10.5	1.6
70187c	35	6.6 – 7.5		7.5	8.3	17	37	21.0	13.0	1.9
70188	50	7.7 – 8.6		9.0	9.6	20	38	21.0	8.5	3.1
70188a	50	7.7 – 8.6		9.0	9.6	20	39	21.0	10.5	3.2
70188b	50	7.7 – 8.6		9.0	9.6	20	43	21.0	13.0	3.3
70188c	50	7.7 – 8.6		9.0	9.6	20	46	23.0	17.0	3.2
70189	70	9.3 – 10.2		10.5	11.5	21	41	22.0	8.5	3.5
70189a	70	9.3 – 10.2		10.5	11.5	21	41	22.0	10.5	3.6
70189b	70	9.3 – 10.2		10.5	11.5	21	41	22.0	13.0	3.6
70189c	70	9.3 – 10.2		10.5	11.5	21	50	28.0	17.0	3.6
70189d	70	9.3 – 10.2		10.5	11.5	21	53	31.0	21.0	4.6

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs, commercial type, with inspection hole, electro-tinned

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN 57295



Material: copper, DIN 40500
Surface: electro-tinned

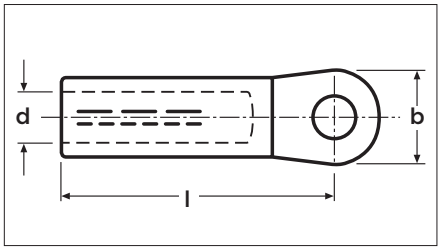
Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) DIN 57295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Dimensions (mm) d	a	l	b	Flat hole diameter (mm)	Weight (approx. kg) 100 pcs
70190	95	11.0 – 12.0		12.5	13.5	24	48	25	8.5	4.7
70190a	95	11.0 – 12.0		12.5	13.5	24	48	25	10.5	4.8
70190b	95	11.0 – 12.0		12.5	13.5	24	49	25	13.0	4.9
70190c	95	11.0 – 12.0		12.5	13.5	24	53	32	17.0	5.3
70190d	95	11.0 – 12.0		12.5	13.5	24	55	35	21.0	6.1
70191	120	12.5 – 13.5		14.0	15.5	26	52	29	10.5	7.0
70191a	120	12.5 – 13.5		14.0	15.5	26	52	29	13.0	6.7
70191b	120	12.5 – 13.5		14.0	15.5	26	52	29	17.0	6.9
70191c	120	12.5 – 13.5		14.0	15.5	26	54	35	21.0	6.9
70192	150	13.9 – 15.0		15.7	16.9	29	55	31	10.5	8.8
70192a	150	13.9 – 15.0		15.7	16.9	29	55	31	13.0	8.6
70192b	150	13.9 – 15.0		15.7	16.9	29	57	31	17.0	8.7
70192c	150	13.9 – 15.0		15.7	16.9	29	60	35	21.0	8.8
70193	185	15.5 – 16.8		17.5	19.0	30	65	35	13.0	11.5
70193a	185	15.5 – 16.8		17.5	19.0	30	65	35	17.0	11.6
70193b	185	15.5 – 16.8		17.5	19.0	30	66	38	21.0	11.8
70194	240	17.8 – 19.2		20.2	21.0	38	70	38	13.0	13.9
70194a	240	17.8 – 19.2		20.2	21.0	38	70	38	17.0	13.6
70194b	240	17.8 – 19.2		20.2	21.0	38	73	38	21.0	13.8
70195	300	20.0 – 21.6		22.5	24.0	45	88	48	13.0	23.8
70195a	300	20.0 – 21.6		22.5	24.0	45	89	48	17.0	23.7
70195b	300	20.0 – 21.6		22.5	24.0	45	97	48	21.0	23.8
70196	400	22.9 – 24.6			27.5	50	90	49	17.0	28.4
70196a	400	22.9 – 24.6			27.5	50	90	49	21.0	28.5
70197	500	25.7 – 27.6			31.0	70	124	55	17.0	45.2
70197a	500	25.7 – 27.6			31.0	70	124	55	21.0	46.9
70198	625	29.3 – 32.5		32.6	34.0	70	121	59	17.0	43.9
70198a	625	29.3 – 32.5		32.6	34.0	70	121	59	21.0	46.7

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs, longitudinally sealed

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



Material: copper
Surface: uncoated

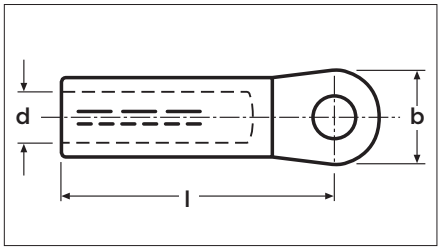
Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70615	16		4.5	5.1	8	5.5	36	20	6.5	2		1.8
70615a	16		4.5	5.1	8	5.5	36	20	8.5	2		1.8
70615b	16		4.5	5.1	8	5.5	36	20	10.5	2		1.8
70615c	16		4.5	5.1	8	5.5	38	21	13.0	2		1.9
70616	25	5.6 –6.5		6.3	10	7.0	38	24	6.5	2	1	2.5
70616a	25	5.6 – 6.5		6.3	10	7.0	38	24	8.5	2	1	2.4
70616b	25	5.6 – 6.5		6.3	10	7.0	38	24	10.5	2	1	2.4
70616c	25	5.6 – 6.5		6.3	10	7.0	38	24	13.0	2	1	2.4
70617	35	6.6 – 7.5		7.5	12	8.2	40	24	6.5	2	1	3.3
70617a	35	6.6 – 7.5		7.5	12	8.2	40	24	8.5	2	1	3.3
70617b	35	6.6 – 7.5		7.5	12	8.2	40	24	10.5	2	1	3.3
70617c	35	6.6 – 7.5		7.5	12	8.2	40	24	13.0	2	1	3.3
70618	50	7.7 – 8.6		9.0	14	10.0	45	24	8.5	3	1	4.2
70618a	50	7.7 – 8.6		9.0	14	10.0	45	24	10.5	3	1	4.2
70618b	50	7.7 – 8.6		9.0	14	10.0	45	24	13.0	3	1	4.2
70619	70	9.3 – 10.2		10.5	16	11.5	48	24	10.5	3	1	6.4
70619a	70	9.3 – 10.2		10.5	16	11.5	48	24	13.0	3	1	6.4
70619b	70	9.3 – 10.2		10.5	16	11.5	48	30	17.0	3	1	6.4
70620	95	11.0 – 12.0		12.5	18	13.5	57	26	10.5	4	2	8.8
70620a	95	11.0 – 12.0		12.5	18	13.5	57	26	13.0	4	2	9.0
70620b	95	11.0 – 12.0		12.5	18	13.5	57	26	17.0	4	2	8.8
70621	120	12.5 – 13.5		14.0	20	15.5	58	30	13.0	4	2	12.2
70621a	120	12.5 – 13.5		14.0	20	15.5	58	30	17.0	4	2	12.2
70622	150	13.9 – 15.0		15.7	22	17.0	62	30	13.0	4	2	15.6
70622a	150	13.9 – 15.0		15.7	22	17.0	62	30	17.0	4	2	15.4
70623	185	15.5 – 16.8		17.5	25	19.0	68	30	13.0	5	2	19.1
70623a	185	15.5 – 16.8		17.5	25	19.0	68	30	17.0	5	2	19.0
70623b	185	15.5 – 16.8		17.5	25	19.0	75	34	21.0	5	2	18.9
70624	240	17.8 – 19.2		20.2	28	21.5	68	30	13.0		2	22.1
70624a	240	17.8 – 19.2		20.2	28	21.5	68	30	17.0		2	21.9
70624b	240	17.8 – 19.2		20.2	28	21.5	75	34	21.0		2	21.8
70625	300	20.0 – 21.6		22.5	32	24.5	86	38	17.0		2	36.5
70625a	300	20.0 – 21.6		22.5	32	24.5	90	38	21.0		2	36.1
70626	400	22.9 – 24.6			38	27.5	96	43	17.0		3	50.8
70626a	400	22.9 – 24.6			38	27.5	96	43	21.0		3	50.4
70627	500	25.7 – 27.6			42	31.0	110	43	17.0		3	77.9
70627a	500	25.7 – 27.6			42	31.0	110	43	21.0		3	77.5

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs, longitudinally sealed, electro-tinned

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



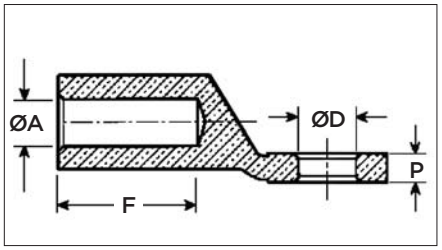
Material: copper
Surface: electro-tinned

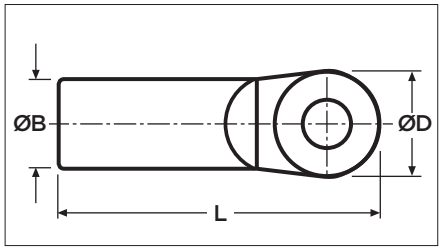
Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70635	16		4.5	5.1	8	5.5	36	20	6.5	2		1.8
70635a	16		4.5	5.1	8	5.5	36	20	8.5	2		1.8
70635b	16		4.5	5.1	8	5.5	36	20	10.5	2		1.8
70635c	16		4.5	5.1	8	5.5	38	21	13.0	2		1.9
70636	25	5.6 – 6.5		6.3	10	7.0	38	24	6.5	2	1	2.5
70636a	25	5.6 – 6.5		6.3	10	7.0	38	24	8.5	2	1	2.4
70636b	25	5.6 – 6.5		6.3	10	7.0	38	24	10.5	2	1	2.4
70636c	25	5.6 – 6.5		6.3	10	7.0	38	24	13.0	2	1	2.4
70637	35	6.6 – 7.5		7.5	12	8.2	40	24	6.5	2	1	3.3
70637a	35	6.6 – 7.5		7.5	12	8.2	40	24	8.5	2	1	3.3
70637b	35	6.6 – 7.5		7.5	12	8.2	40	24	10.5	2	1	3.3
70637c	35	6.6 – 7.5		7.5	12	8.2	40	24	13.0	2	1	3.3
70638	50	7.7 – 8.6		9.0	14	10.0	45	24	8.5	3	1	4.2
70638a	50	7.7 – 8.6		9.0	14	10.0	45	24	10.5	3	1	4.2
70638b	50	7.7 – 8.6		9.0	14	10.0	45	24	13.0	3	1	4.2
70639	70	9.3 – 10.2		10.5	16	11.5	48	24	10.5	3	1	6.4
70639a	70	9.3 – 10.2		10.5	16	11.5	48	24	13.0	3	1	6.4
70639b	70	9.3 – 10.2		10.5	16	11.5	48	24	17.0	3	1	6.4
70640	95	11.0 – 12.0		12.5	18	13.5	57	26	10.5	4	2	8.8
70640a	95	11.0 – 12.0		12.5	18	13.5	57	26	13.0	4	2	9.0
70640b	95	11.0 – 12.0		12.5	18	13.5	57	26	17.0	4	2	8.8
70641	120	12.5 – 13.5		14.0	20	15.5	58	30	13.0	4	2	12.2
70641a	120	12.5 – 13.5		14.0	20	15.5	58	30	17.0	4	2	12.2
70642	150	13.9 – 15.0		17.0	22	17.0	59	30	13.0	4	2	15.6
70642a	150	13.9 – 15.0		17.0	22	17.0	59	30	17.0	4	2	15.4
70643	185	15.5 – 16.8		17.5	25	19.0	68	30	13.0	5	2	19.1
70643a	185	15.5 – 16.8		17.5	25	19.0	68	30	17.0	5	2	19.0
70643b	185	15.5 – 16.8		17.5	25	19.0	75	34	21.0	5	2	18.9
70644	240	17.8 – 19.2		20.2	28	21.5	68	30	13.0		2	22.1
70644a	240	17.8 – 19.2		20.2	28	21.5	68	30	17.0		2	21.9
70644b	240	17.8 – 19.2		20.2	28	21.5	75	34	21.0		2	21.8
70645	300	20.0 – 21.6		22.5	32	24.5	83	38	17.0		2	36.5
70645a	300	20.0 – 21.6		22.5	32	24.5	90	38	21.0		2	36.1
70646	400	22.9 – 24.6			38	27.5	96	43	17.0		3	50.8
70646a	400	22.9 – 24.6			38	27.5	96	43	21.0		3	50.4
70647	500	25.7 – 27.6			42	31.0	114	43	17.0		3	77.9
70647a	500	25.7 – 27.6			42	31.0	114	43	21.0		3	77.5
70648	625				44	34.5	115		17.0		3	
70648a	625				44	34.5	115		21.0		3	

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Copper lugs longitudinally sealed





Application

- Inside and outside MV and LV terminations for copper cables.
- Grounding.

Features and benefits

Conductors sizes: 16 to 400 mm².	Wide range for copper cables.
Made of forged electrolytic copper.	Specially made for high current.
Sealed type.	Suitable for outdoor application.

Description

- The lug is made of forged electrolytic copper and longitudinally sealed.
- To be crimped by hexagonal technic.

Cross Section mm²	Designation	PN	RPN	ØA mm	ØB mm	Type 1 ØC mm	ØD mm	Type 2 B mm	F mm	L mm	P mm	Weight (g)	Standard Packaging
16	DPD7 16	0-0709095-1	662374-000	5.5	12.2	25	12.8	–	29	67	5	54	3
25	DPD7 25	0-0709214-1	944560-000	7	12.2	25	12.8	–	29	67	5	44	3
25	DPD7 25 D14.5	0-0709214-2	921506-000	7	12.2	25	14.5	–	29	67	5	44	3
25	DPD7 25 D16	0-0709214-3	159302-000	7	12.2	25	16	–	29	67	5	44	3
29	DPD7 29	0-0709903-1	890200-000	7.8	12.2	25	12.8	–	29	67	5	44	3
29	DPD7 29/25-D14.5E	0-0709290-1	506140-000	7.8	12.2	25	14.5	–	29	67	5	40	10
35	DPD7 35	0-0709215-1	530402-000	8.5	12.2	25	12.8	–	29	67	5	44	3
50	DPD7 50	0-0709216-1	149964-000	9.5	12.2	25	12.8	–	29	67	5	38	3
70	DPD7 70	0-0709086-1	419996-000	12.5	21	30	12.8	–	33	79	6	124	3
95	DPD7 95	0-0709217-1	207728-000	13.5	21	30	12.8	–	33	79	6	118	3
120	DPD7 120	0-0709087-2	461028-000	15	21	35	14.5	–	33	83	7	136	3
150	DPD7 150	0-0709218-2	467958-000	16.5	21	35	14.5	–	33	83	7	124	3
185	DPD7 185/50x50 NP	0-0709088-1	572986-000	19	26	–	–	50	35	104	7	308	3
185	DPD7 185/50x50 D12	0-0709088-3	628460-000	19	26	–	12	50	35	104	7	308	3
185	DPD7 185/50x50 D14.5	0-0709088-5	169076-000	19	26	–	14.5	50	35	104	7	308	3
185	DPD7 185/50x50 D16	0-0709088-6	911388-000	19	26	–	16	50	35	104	7	308	3
185	DPD7 185/50x50 D18	0-0709088-7	–	19	26	–	18	50	35	104	7	308	3
240	DPD7 240/50x50 NP	0-0709219-1	950600-000	21	26	–	–	50	35	104	7	280	3
240	DPD7 240/50x50 D14.5	0-0709219-3	818140-000	21	26	–	14.5	50	35	104	7	280	3
240	DPD7 240/50x50 D16	0-0709219-4	441308-000	23	26	–	16	50	35	104	7	280	3
300	DPD7 300/60x60 NP	0-0709089-1	289358-000	23	32	–	–	60	45	127	9	582	3
300	DPD7 300/60x60 D14	0-0709089-3	542702-000	23	32	–	14	60	45	127	9	582	3
300	DPD7 300/60x60 D16.5	0-0709089-4	141148-000	23	32	–	16.5	60	45	127	9	582	3
350	DPD7 350/60x60 D14.5	0-0709220-1	–	25	32	–	14.5	60	45	127	9	516	3
400	DPD7 400/60x60 NP	0-0709221-1	384642-000	26	32	–	–	60	45	127	9	516	3
400	DPD7 400/60x60 D14.5	0-0709221-2	–	26	32	–	14.5	60	45	127	9	516	3
400	DPD7 400/60x60 D20	0-0709221-4	019968-000	26	32	–	20	60	45	127	9	516	3

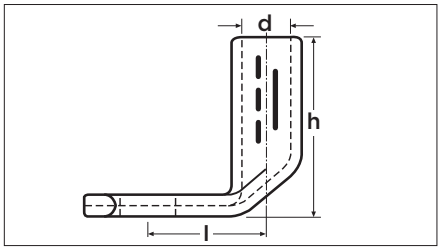
NP: undrilled.

Tin-plated

Cross Section mm²	Designation	PN	RPN	ØA mm	ØB mm	Type 1 ØC mm	ØD mm	Type 2 B mm	F mm	L mm	P mm	Weight (g)	Standard Packaging
70	DPD7 70/50x40 D14E	0-0708365-1	288060-000	12.5	21	–	14	50	45	112	7	–	3
95	DPD7 95/50x40 D14E	0-0708366-1	064510-000	13.5	21	–	14	50	45	112	7	–	3
185	DPD7 185/50x40 D12.8E	0-0708367-1	863114-000	18.5	26	–	12.8	50	45	112	7	–	3
185	DPD7 185/50x40 D18E	0-0708367-2	612172-000	18.5	26	–	18	50	45	112	7	–	3
240	DPD7 240/50x40 D18E	0-0708368-1	703690-000	21	26	–	18	50	45	112	7	–	3

Compression cable lugs, angled

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



Material: copper
Surface: uncoated

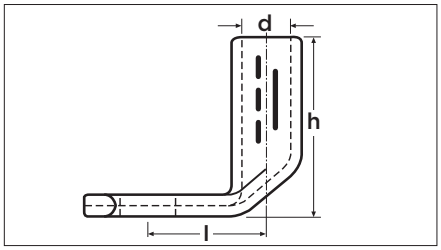
Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Die code no.	Dimensions (mm) d	l	h	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70504	10		3.55	4.1	6	4.5	13	15	5.4	1		0.5
70504a	10		3.55	4.1	6	4.5	13	15	6.5	1		0.4
70504b	10		3.55	4.1	8	4.5	17	28	8.5	2		0.7
70504c	10		3.55	4.1	8	4.5	17	28	10.5	2		0.7
70505	16		4.50	5.1	8	5.5	17	28	6.5	2		1.3
70505a	16		4.50	5.1	8	5.5	17	28	8.5	2		1.3
70505b	16		4.50	5.1	8	5.5	17	28	10.5	2		1.4
70505c	16		4.50	5.1	8	5.5	17	28	13.0	2		1.7
70506	25	5.6 – 6.5		6.3	10	7.0	17	28	6.5	2		1.7
70506a	25	5.6 – 6.5		6.3	10	7.0	17	28	8.5	2		1.7
70506b	25	5.6 – 6.5		6.3	10	7.0	20	28	10.5	2		2.0
70506c	25	5.6 – 6.5		6.3	10	7.0	20	28	13.0	2		1.9
70507	35	6.6 – 7.5		7.5	12	8.2	20	33	8.5	2		3.8
70507a	35	6.6 – 7.5		7.5	12	8.2	20	33	10.5	2		3.8
70507b	35	6.6 – 7.5		7.5	12	8.2	22	33	13.0	2		3.7
70508	50	7.7 – 8.6		9.0	14	10.0	2	35	8.5	3		5.0
70508a	50	7.7 – 8.6		9.0	14	10.0	26	35	10.5	3		4.8
70508b	50	7.7 – 8.6		9.0	14	10.0	26	35	13.0	3		4.4
70508c	50	7.7 – 8.6		9.0	14	10.0	30	35	17.0	3		4.4
70509	70	9.3 – 10.2		10.5	16	11.5	27	36	8.5	3		6.5
70509a	70	9.3 – 10.2		10.5	16	11.5	27	36	10.5	3		6.7
70509b	70	9.3 – 10.2		10.5	16	11.5	29	36	13.0	3		6.4
70509c	70	9.3 – 10.2		10.5	16	11.5	32	36	17.0	3		5.7
70510	95	11.0 – 12.0		12.5	18	13.5	30	45	10.5	4	2	10.3
70510a	95	11.0 – 12.0		12.5	18	13.5	30	45	13.0	4	2	9.7
70510b	95	11.0 – 12.0		12.5	18	13.5	34	45	17.0	4	2	9.8
70510c	95	11.0 – 12.0		12.5	18	13.5	38	45	21.0	4	2	9.8
70511	120	12.5 – 13.5		14.0	20	15.5	35	50	13.0	4	2	12.8
70511a	120	12.5 – 13.5		14.0	20	15.5	38	50	17.0	4	2	12.7
70511b	120	12.5 – 13.5		14.0	20	15.5	40	50	21.0	4	2	12.5
70512	150	13.9 – 15.0		15.7	22	17.0	34	56	13.0	4	2	18.6
70512a	150	13.9 – 15.0		15.7	22	17.0	36	56	17.0	4	2	17.9
70512b	150	13.9 – 15.0		15.7	22	17.0	38	56	21.0	4	2	18.5
70513	185	15.5 – 16.8		17.5	25	19.0	38	60	13.0	5	2	20.7
70513a	185	15.5 – 16.8		17.5	25	19.0	38	60	17.0	5	2	20.5
70513b	185	15.5 – 16.8		17.5	25	19.0	40	60	21.0	5	2	20.5
70514	240	17.8 – 19.2		20.3	28	21.5	38	74	13.0		2	31.7
70514a	240	17.8 – 19.2		20.3	28	21.5	38	74	17.0		2	31.7
70514b	240	17.8 – 19.2		20.3	28	21.5	42	74	21.0		2	32.1
70515	300	20.0 – 21.6		22.5	32	24.5	42	86	17.0		2	45.0
70515a	300	20.0 – 21.6		22.5	32	24.5	45	86	21.0		2	42.7

These cable lugs can also be supplied with different angles.
Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs, angled, electro-tinned

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



Material: copper
Surface: electro-tinned

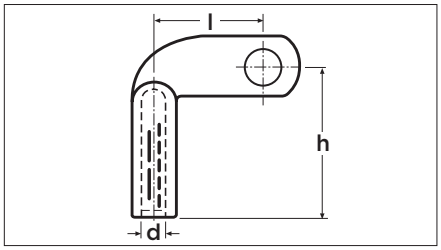
Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Die code no.	Dimensions (mm) d	l	h	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70524	10		3.55	4.1	6	4.5	9	15	5.4	1		0.5
70524a	10		3.55	4.1	6	4.5	13	15	6.5	1		0.4
70524b	10		3.55	4.1	8	4.5	17	28	8.5	2		0.7
70524c	10		3.55	4.1	8	4.5	17	28	10.5	2		0.7
70525	16		4.50	5.1	8	5.5	17	28	6.5	2		1.3
70525a	16		4.50	5.1	8	5.5	17	28	8.5	2		1.3
70525b	16		4.50	5.1	8	5.5	17	28	10.5	2		1.4
70525c	16		4.50	5.1	8	5.5	20	28	13.0	2		1.7
70526	25	5.6 – 6.5		6.3	10	7.0	17	28	6.5	2		1.7
70526a	25	5.6 – 6.5		6.3	10	7.0	17	28	8.5	2		1.7
70526b	25	5.6 – 6.5		6.3	10	7.0	20	28	10.5	2		2.0
70526c	25	5.6 – 6.5		6.3	10	7.0	20	28	13.0	2		1.9
70527	35	6.6 – 7.5		7.5	12	8.2	20	33	8.5	2		3.8
70527a	35	6.6 – 7.5		7.5	12	8.2	20	33	10.5	2		3.8
70527b	35	6.6 – 7.5		7.5	12	8.2	22	33	13.0	2		3.7
70528	50	7.7 – 8.6		9.0	14	10.0	26	35	8.5	3		5.0
70528a	50	7.7 – 8.6		9.0	14	10.0	26	35	10.5	3		4.8
70528b	50	7.7 – 8.6		9.0	14	10.0	26	35	13.0	3		4.4
70528c	50	7.7 – 8.6		9.0	14	10.0	30	35	17.0	3		4.4
70529	70	9.3 – 10.2		10.5	16	11.5	27	36	8.5	3		6.5
70529a	70	9.3 – 10.2		10.5	16	11.5	27	36	10.5	3		6.7
70529b	70	9.3 – 10.2		10.5	16	11.5	29	36	13.0	3		6.4
70529b	70	9.3 – 10.2		10.5	16	11.5	32	36	17.0	3		5.7
70530	95	11.0 – 12.0		12.5	18	13.5	30	45	10.5	4	2	10.3
70530a	95	11.0 – 12.0		12.5	18	13.5	30	45	13.0	4	2	9.7
70530b	95	11.0 – 12.0		12.5	18	13.5	34	45	17.0	4	2	9.8
70530c	95	11.0 – 12.0		12.5	18	13.5	38	45	21.0	4	2	9.8
70531	120	12.5 – 13.5		14.0	20	15.5	35	50	13.0	4	2	12.8
70531a	120	12.5 – 13.5		14.0	20	15.5	38	50	17.0	4	2	12.7
70531b	120	12.5 – 13.5		14.0	20	15.5	40	50	21.0	4	2	12.5
70532	150	13.9 – 15.0		15.7	22	17.0	34	56	13.0	4	2	18.6
70532a	150	13.9 – 15.0		15.7	22	17.0	36	56	17.0	4	2	17.9
70532b	150	13.9 – 15.0		15.7	22	17.0	38	56	21.0	4	2	18.5
70533	185	15.5 – 16.8		17.5	25	19.0	38	56	13.0	5	2	20.7
70533a	185	15.5 – 16.8		17.5	25	19.0	38	56	17.0	5	2	20.5
70533b	185	15.5 – 16.8		17.5	25	19.0	40	56	21.0	5	2	20.5
70534	240	17.8 – 19.2		20.3	28	21.5	38	74	13.0		2	31.7
70534a	240	17.8 – 19.2		20.3	28	21.5	38	74	17.0		2	31.7
70534b	240	17.8 – 19.2		20.3	28	21.5	42	74	21.0		2	32.1
70535	300	20.0 – 21.6		22.5	32	24.5	42	86	17.0		2	45.0
70535a	300	20.0 – 21.6		22.5	32	24.5	45	86	21.0		2	42.7

These cable lugs can also be supplied with different angles.
Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs, flanged 90°

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



Material: copper
Surface: uncoated

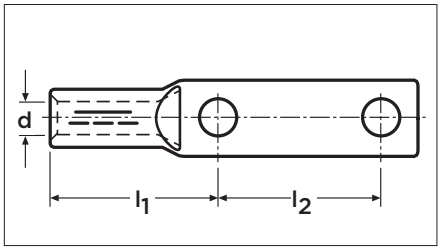
Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1 re	rm/sm	Die code no.	Dimensions (mm) d	l	h	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70547	35	6.6 – 7.5		7.5	12	8.2	42	44	10.5	2	1	5.3
70547a	35	6.6 – 7.5		7.5	12	8.2	42	44	13.0	2	1	5.3
70548	50	7.7 – 8.6		9.0	14	10.0	42	45	10.5	3	1	6.6
70548a	50	7.7 – 8.6		9.0	14	10.0	42	45	13.0	3	1	6.6
70549	70	9.3 – 10.2		10.5	16	11.5	43	48	10.5	3	1	8.8
70549a	70	9.3 – 10.2		10.5	16	11.5	43	48	13.0	3	1	8.8
70550	95	11.0 – 12.0		12.5	18	13.5	45	62	13.0	4	2	13.7
70550a	95	11.0 – 12.0		12.5	18	13.5	45	62	17.0	4	2	13.7
70551	120	12.5 – 13.5		14.0	20	15.5	46	67	13.0	4	2	15.7
70551a	120	12.5 – 13.5		14.0	20	15.5	46	67	17.0	4	2	15.7
70552	150	13.9 – 15.0		15.7	22	17.0	46	70	13.0	4	2	22.0
70552a	150	13.9 – 15.0		15.7	22	17.0	46	70	17.0	4	2	22.0

Sector-shaped conductors has to be rounded with special rounding dies.
Other cross-sections and dimensions on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs with 2 flat holes

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



Material: copper
Surface: uncoated

Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1	Die code no.	Dimensions (mm) d	l_1	l_2	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70568	50	7.7 – 8.6	9.0	14	10.0	50	30	10.5	3	1	6.5
70568a	50	7.7 – 8.6	9.0	14	10.0	50	50	13.0	3	1	8.0
70569	70	9.3 – 10.2	10.5	16	11.5	55	50	11.0	3	1	8.6
70569a	70	9.3 – 10.2	10.5	16	11.5	55	50	13.5	3	1	7.6
70570	95	11.0 – 12.0	12.5	18	13.5	65	50	13.5	4	2	14.9
70571	120	12.5 – 13.5	14.0	20	15.5	70	50	13.5	4	2	17.9
70571a	120	12.5 – 13.5	14.0	20	15.5	70	60	13.5	4	2	17.0
70572	150	13.9 – 15.0	15.7	22	17.0	75	50	13.0	4	2	25.4
70573	185	15.5 – 16.8	17.5	25	19.0	82	50	13.0	5	2	28.5
70574	240	17.8 – 19.2	20.2	28	21.5	90	50	17.0		2	38.2
70575	300	20.0 – 21.6	22.5	32	24.5	104	50	17.0		2	53.2
70576*	400	22.9 – 24.6		38	26.0	115	50	17.0		3	104.2
70577*	500	25.7 – 27.6		42	29.0	125	50	17.0		3	129.8
70576a	400		26.0	38	27.5	115	50	17.0		3	91.9
70577a	500		29.1	42	31.0	125	50	17.0		3	110.8
70578	625	29.3 – 32.5	32.6	44	34.5	135	50	17.0		3	102.6
70579	800		36.8	52	40.0	165	50	17.0		3	184.1
70580	1000		41.1	58	44.0	165	50	17.0		3	238.0

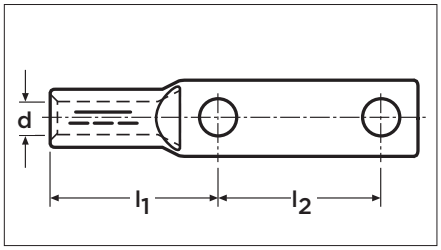
* Inside diameter to DIN 57295. These cable lugs are special versions, deviating from DIN 46235.
Sector-shaped conductors has to be rounded with special rounding dies.
Other dimensions on request.

These cable lugs can also be supplied with 1 oval hole and 1 round hole or with 2 oval holes with different hole spacing.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs with 2 flat holes, electro-tinned

for copper conductors acc. to DIN 48201 and copper cable conductors acc. to DIN VDE 0295



Material: copper
Surface: electro-tinned

Part no.	Conductor cross-section (mm^2) re/rm/sm	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1	Die code no.	Dimensions (mm) d	l_1	l_2	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70588	50	7.7 – 8.6	9.0	14	10.0	50	30	10.5	3	1	6.5
70588a	50	7.7 – 8.6	9.0	14	10.0	50	50	13.0	3	1	8.0
70589	70	9.3 – 10.2	10.5	16	11.5	55	50	11.0	3	1	8.6
70589a	70	9.3 – 10.2	10.5	16	11.5	55	50	13.5	3	1	7.6
70590	95	11.0 – 12.0	12.5	18	13.5	65	50	13.5	4	2	14.9
70591	120	12.5 – 13.5	14.0	20	15.5	70	50	13.5	4	2	17.9
70591a	120	12.5 – 13.5	14.0	20	15.5	70	60	13.5	4	2	17.0
70592	150	13.9 – 15.0	15.7	22	17.0	75	50	13.0	4	2	25.4
70593	185	15.5 – 16.8	17.5	25	19.0	82	50	13.0	5	2	28.5
70594	240	17.8 – 19.2	20.2	28	21.5	90	50	17.0		2	38.2
70595	300	20.0 – 21.6	22.5	32	24.5	104	50	17.0		2	53.2
70596*	400	22.9 – 24.6		38	26.0	115	50	17.0		3	104.2
70597*	500	25.7 – 27.6		42	29.0	125	50	17.0		3	129.8
70596a	400		26.0	38	27.5	115	50	17.0		3	91.9
70597a	500		29.1	42	31.0	125	50	17.0		3	110.8
70598	625	29.3 – 32.5	32.6	44	34.5	135	50	17.0		3	102.6
70599	800		36.8	52	40.0	165	50	17.0		3	184.1
70600	1000		41.1	58	44.0	165	50	17.0		3	238.0

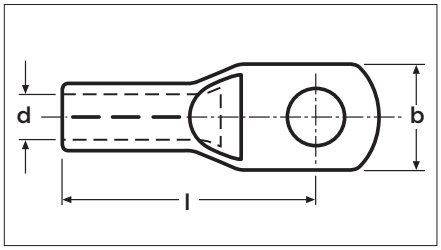
* Inside diameter to DIN 57295. These cable lugs are special versions, deviating from DIN 46235.
Sector-shaped conductors has to be rounded with special rounding dies.
Other dimensions on request.

These cable lugs can also be supplied with 1 oval hole and 1 round hole or with 2 oval holes with different hole spacing.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs

for aluminium conductors acc. to DIN 48201 and aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: uncoated

The cable lugs are filled with contact grease and sealed in plastic foil.

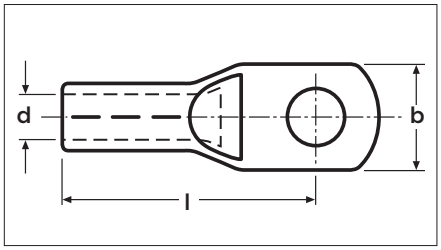
Part no.	Conductor cross-section (mm^2) re/rm/sm		Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/5	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
72105b		16		4.5	12	5.6	50	18	8.5	4	2	1.8
72105c		16		4.5	12	5.6	50	18	10.5	4	2	1.8
72105	16	25	5.2 – 5.6	5.1	12	6.0	53	18	8.5	4	2	1.8
72105a	16	25	5.2 – 5.6	5.1	12	6.0	53	18	10.5	4	2	1.8
72106	25	35	5.6 – 6.7	6.3	12	7.0	60	19	8.5	4	2	1.5
72106a	25	35	5.6 – 6.7	6.3	12	7.0	60	19	10.5	4	2	1.7
72106b	25	35	5.6 – 6.7	6.3	12	7.0	60	23	13.0	4	2	1.5
72107b	35	50	6.6 – 7.8	7.5	14	8.3	64	22	8.5	5	2	2.4
72107	35	50	6.6 – 7.8	7.5	14	8.3	66	24	10.5	5	2	2.4
72107a	35	50	6.6 – 7.8	7.5	14	8.3	66	24	13.0	5	2	2.3
72108b	50	70	7.7 – 9.4	9.0	16	10.0	72	23	8.5	5	2	3.3
72108	50	70	7.7 – 9.4	9.0	16	10.0	72	23	10.5	5	2	3.2
72108a	50	70	7.7 – 9.4	9.0	16	10.0	72	23	13.0	5	2	3.2
72109	70	95	9.3 – 11.0	10.5	18	11.5	83	28	10.5	6	3	4.7
72109a	70	95	9.3 – 11.0	10.5	18	11.5	83	28	13.0	6	3	4.7
72109b	70	95	9.3 – 11.0	10.5	18	11.5	83	28	17.0	6	3	4.4
72110b	95	120	11.0 – 12.4	12.5	22	13.5	92	34	10.5	6	3	8.6
72110	95	120	11.0 – 12.4	12.5	22	13.5	92	34	13.0	6	3	7.5
72110a	95	120	11.0 – 12.4	12.5	22	13.5	92	34	17.0	6	3	8.4
72111	120	150	12.5 – 13.8	14.0	22	14.8	89	33	13.0	6	3	7.5
72111a	120	150	12.5 – 13.8	14.0	22	14.8	89	33	17.0	6	3	7.7
72112	150	185	13.9 – 15.0	15.7	25	16.5	97	37	13.0	6	3	9.8
72112a	150	185	13.9 – 15.0	15.7	25	16.5	100	37	17.0	6	3	9.7
72112b	150	185	13.9 – 15.0	15.7	25	16.5	100	41	21.0	6	3	9.9
72113	185	240	15.5 – 16.8	17.5	28	18.3	105	41	13.0	6	3	14.0
72113a	185	240	15.5 – 16.8	17.5	28	18.3	105	41	17.0	6	3	13.7
72113b	185	240	15.5 – 16.8	17.5	28	18.3	105	43	21.0	6	3	13.0
72114	240	300	17.8 – 19.2	20.3	32	21.0	116	45	13.0	8	3	18.1
72114a	240	300	17.8 – 19.2	20.3	32	21.0	119	47	17.0	8	3	18.4
72114b	240	300	17.8 – 19.2	20.3	32	21.0	119	47	21.0	8	3	19.2
72115	300		20.0 – 21.6	22.5	34	23.4	125	50	17.0	8	3	20.3
72115a	300		20.0 – 21.6	22.5	34	23.4	125	50	21.0	8	3	21.9
72116	400		22.9 – 24.6		42	26.0	165	60	17.0	–	4	45.6
72116a	400		22.9 – 24.6		42	26.0	165	60	21.0	–	4	44.9
72117	500		25.7 – 27.6		46	29.0	185	63	17.0	–	4	61.5
72117a	500		25.7 – 27.6		46	29.0	185	63	21.0	–	4	59.0
72116b	400			26.0	42	28.0	165	58	17.0	–	4	45.6
72116c	400			26.0	42	28.0	165	58	21.0	–	4	44.9
72117b	500			29.1	46	31.0	185	60	17.0	–	4	61.5
72117c	500			29.1	46	31.0	185	60	21.0	–	4	59.0
72118	625			32.6	52	35.0	195	75	17.0	–	4	78.3
72118a	625			32.6	52	35.0	195	75	21.0	–	4	77.9
72119	800			36.8	58	40.0	230	83	21.0	–	5	101.1
72120	1000			41.1	60	44.0	230	87	21.0	–	5	103.7

Sector-shaped conductors has to be rounded with special rounding dies.
Compression cable lugs for cam compression on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid.

Compression cable lugs, electro-tinned (20 my)

for aluminium conductors acc. to DIN 48201 and aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: electro-tinned (20 my)

The cable lugs are filled with contact grease and sealed in plastic foil.

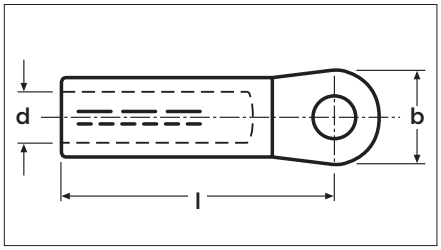
Part no.	Conductor cross-section (mm^2) rm/sm	re/se	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/5	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
72605b		16		4.5	12	5.6	50	18	8.5	4	2	1.8
72605c		16		4.5	12	5.6	50	18	10.5	4	2	1.8
72605	16	25	5.2 – 5.6	5.1	12	6.0	53	18	8.5	4	2	1.8
72605a	16	25	5.2 – 5.6	5.1	12	6.0	53	18	10.5	4	2	1.8
72606	25	35	5.6 – 6.7	6.3	12	7.0	60	19	8.5	4	2	1.5
72606a	25	35	5.6 – 6.7	6.3	12	7.0	60	19	10.5	4	2	1.7
72606b	25	35	5.6 – 6.7	6.3	12	7.0	60	23	13.0	4	2	1.5
72607b	35	50	6.6 – 7.8	7.5	14	8.3	64	22	8.5	5	2	2.4
72607	35	50	6.6 – 7.8	7.5	14	8.3	66	24	10.5	5	2	2.4
72607a	35	50	6.6 – 7.8	7.5	14	8.3	66	24	13.0	5	2	2.3
72608b	50	70	7.7 – 9.4	9.0	16	10.0	72	23	8.5	5	2	3.3
72608	50	70	7.7 – 9.4	9.0	16	10.0	72	23	10.5	5	2	3.2
72608a	50	70	7.7 – 9.4	9.0	16	10.0	72	23	13.0	5	2	3.2
72609	70	95	9.3 – 11.0	10.5	18	11.5	83	28	10.5	6	3	4.7
72609a	70	95	9.3 – 11.0	10.5	18	11.5	83	28	13.0	6	3	4.7
72609b	70	95	9.3 – 11.0	10.5	18	11.5	83	28	17.0	6	3	4.4
72610b	95	120	11.0 – 12.4	12.5	22	13.5	92	34	10.5	6	3	8.6
72610	95	120	11.0 – 12.4	12.5	22	13.5	92	34	13.0	6	3	7.5
72610a	95	120	11.0 – 12.4	12.5	22	13.5	92	34	17.0	6	3	8.4
72611	120	150	12.5 – 13.8	14.0	22	14.8	89	33	13.0	6	3	7.5
72611a	120	150	12.5 – 13.8	14.0	22	14.8	89	33	17.0	6	3	7.7
72612	150	185	13.9 – 15.0	15.7	25	16.5	97	37	13.0	6	3	9.8
72612a	150	185	13.9 – 15.0	15.7	25	16.5	100	37	17.0	6	3	9.7
72612b	150	185	13.9 – 15.0	15.7	25	16.5	100	41	21.0	6	3	9.9
72613	185	240	15.5 – 16.8	17.5	28	18.3	105	41	13.0	6	3	14.0
72613a	185	240	15.5 – 16.8	17.5	28	18.3	105	41	17.0	6	3	13.7
72613b	185	240	15.5 – 16.8	17.5	28	18.3	105	43	21.0	6	3	13.0
72614	240	300	17.8 – 19.2	20.3	32	21.0	116	45	13.0	8	3	18.1
72614a	240	300	17.8 – 19.2	20.3	32	21.0	119	47	17.0	8	3	18.4
72614b	240	300	17.8 – 19.2	20.3	32	21.0	119	47	21.0	8	3	19.2
72615	300		20.0 – 21.6	22.5	34	23.4	125	50	17.0	8	3	20.3
72615a	300		20.0 – 21.6	22.5	34	23.4	125	50	21.0	8	3	21.9
72616	400		22.9 – 24.6		42	26.0	165	60	17.0	–	4	45.6
72616a	400		22.9 – 24.6		42	26.0	165	60	21.0	–	4	44.9
72617	500		25.7 – 27.6		46	29.0	185	63	17.0	–	4	61.5
72617a	500		25.7 – 27.6		46	29.0	185	63	21.0	–	4	59.0
72616b	400			26.0	42	28.0	165	58	17.0	–	4	45.6
72616c	400			26.0	42	28.0	165	58	21.0	–	4	44.9
72617b	500			29.1	46	31.0	185	60	17.0	–	4	61.5
72617c	500			29.1	46	31.0	185	60	21.0	–	4	59.0
72618	625			32.6	52	35.0	195	75	17.0	–	4	78.3
72618a	625			32.6	52	35.0	195	75	21.0	–	4	77.9
72619	800			36.8	58	40.0	230	83	21.0	–	5	101.1
72620	1000			41.1	60	44.0	230	87	21.0	–	5	103.7

Sector-shaped conductors has to be rounded with special rounding dies.
Compression cable lugs for cam compression on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Compression cable lugs, longitudinally sealed, acc. to DIN 46329

for aluminium conductors acc. to DIN 48201 and aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: uncoated

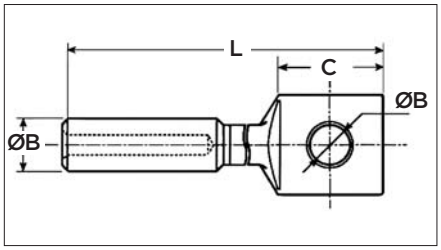
The cable lugs are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm^2) rm/sm	re/se	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/5	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
72135b		16		4.5	12	5.2	55	20	8.5	4	2	1.4
72135c		16		4.5	12	5.2	55	20	10.5	4	2	1.3
72135	16	25	5.2 – 5.6	5.1	12	5.4	50	20	8.5	4	2	1.4
72135a	16	25	5.2 – 5.6	5.1	12	5.4	50	20	10.5	4	2	1.3
72136	25	35	5.6 – 6.7	6.3	12	6.8	53	25	8.5	4	2	1.5
72136a	25	35	5.6 – 6.7	6.3	12	6.8	53	25	10.5	4	2	1.4
72136b	25	35	5.6 – 6.7	6.3	12	6.8	53	25	13.0	4	2	1.4
72137b	35	50	6.6 – 7.8	7.5	14	8.3	62	25	8.5	5	2	2.6
72137	35	50	6.6 – 7.8	7.5	14	8.3	62	25	10.5	5	2	2.4
72137a	35	50	6.6 – 7.8	7.5	14	8.3	62	25	13.0	5	2	2.3
72138b	50	70	7.7 – 9.4	9.0	16	10.0	62	25	8.5	5	2	2.5
72138	50	70	7.7 – 9.4	9.0	16	10.0	62	25	10.5	5	2	2.4
72138a	50	70	7.7 – 9.4	9.0	16	10.0	62	25	13.0	5	2	2.3
72139	70	95	9.3 – 11.0	10.5	18	11.5	72	25	10.5	6	3	3.5
72139a	70	95	9.3 – 11.0	10.5	18	11.5	72	25	13.0	6	3	3.3
72140b	95	120	11.0 – 12.4	12.5	22	13.2	75	25	10.5	6	3	7.4
72140	95	120	11.0 – 12.4	12.5	22	13.2	75	25	13.0	6	3	7.0
72140a	95	120	11.0 – 12.4	12.5	22	13.2	75	25	17.0	6	3	6.7
72141	120	150	12.5 – 13.8	14.0	22	14.7	80	30	13.0	6	3	6.8
72141a	120	150	12.5 – 13.8	14.0	22	14.7	80	30	17.0	6	3	6.5
72142	150	185	13.9 – 15.0	15.7	25	16.3	90	30	13.0	6	3	8.8
72142a	150	185	13.9 – 15.0	15.7	25	16.3	90	30	17.0	6	3	8.4
72142b	150	185	13.9 – 15.0	15.7	25	16.3	90	38	21.0	6	3	9.3
72143c	185	240	15.5 – 16.8	17.5	28	18.3	91	30	10.5	6	3	11.1
72143	185	240	15.5 – 16.8	17.5	28	18.3	91	30	13.0	6	3	11.0
72143a	185	240	15.5 – 16.8	17.5	28	18.3	91	30	17.0	6	3	10.1
72143b	185	240	15.5 – 16.8	17.5	28	18.3	91	38	21.0	6	3	11.2
72144c	240	300	17.8 – 19.2	20.3	32	21.0	103	38	10.5	8	3	16.0
72144	240	300	17.8 – 19.2	20.3	32	21.0	103	38	13.0	8	3	15.9
72144a	240	300	17.8 – 19.2	20.3	32	21.0	103	38	17.0	8	3	15.5
72144b	240	300	17.8 – 19.2	20.3	32	21.0	103	38	21.0	8	3	16.2
72145	300		20.0 – 21.6	22.5	34	23.3	103	38	17.0	8	3	17.4
72145a	300		20.0 – 21.6	22.5	34	23.3	103	38	21.0	8		19.1
72146	400		22.9 – 24.6		38	26.0	116	38	17.0	–	4	34.0
72146a	400		22.9 – 24.6		38	26.0	116	38	21.0	–	4	35.5
72147	500		25.7 – 27.6		44	29.0	122	44	17.0	–	4	40.5
72147a	500		25.7 – 27.6		44	29.0	122	44	21.0	–	4	40.3
72146b	400			26.0	38	28.0	116	38	17.0	–	4	34.0
72146c	400			26.0	38	28.0	116	38	21.0	–	4	35.5
72147b	500			29.1	44	31.0	122	44	17.0	–	4	40.5
72147c	500			29.1	44	31.0	122	44	21.0	–	4	40.3
72148	625				52	35.0	130	52	17.0			
72148a	625				52	35.0	130	52	21.0			

Sector-shaped conductors has to be rounded with special rounding dies.
Compression cable lugs for cam compression on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Aluminium lugs, XD8 type



Application

- Aluminium lugs for aluminium conductors.
- MV terminations.
- LV connection on busbar inside electrical panel.

Description

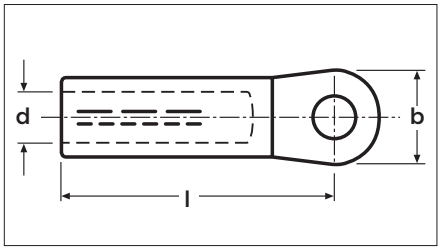
- The lug is made of aluminium barrel link to an aluminium palm by friction welding technology.
- For external application, the friction welding area should be protected against humidity.
- Accept cables according to NFC 32013 and IEC 228.
- To be crimped by deep stepped indentation.

Features and benefits

Range from 16 to 1600 mm^2.	One technology for all the sizes of cables. High quality connections independent installer's skills. Single connector model for a given conductor cross-sectionnal area (independent of the core compression ratio).
Aluminium barrel and solid aluminium palm.	Best technical solution to connect aluminium conductor to an aluminium bar.
Compliance with specification C33090-1, electrical test performances in accordance, with NFC 63-061 class A and IEC 1238-1 class A.	

Cross Section mm²	Designation	PN	RPN	ØB mm	C mm	ØD mm	L mm	Weight (g)	Standard Packaging
16	XD8 16	0-0739050-1	836082-000	16	38 x 38	13	93	40	3
25	XD8 25	0-0739051-1	571798-000	16	38 x 38	13	93	40	3
35	XD8 35	0-0739029-1	363456-000	16	38 x 38	13	93	40	3
50	XD8 50	0-0739008-1	223442-000	20	38 x 38	16	100	80	3
70	XD8 70	0-0739009-1	192496-000	20	38 x 38	16	100	80	3
95	XD8 95	0-0739010-1	852698-000	20	38 x 38	16	100	75	3
120	XD8 120	0-0739059-1	027438-000	25	38 x 38	16	120	125	3
150	XD8 150	0-0739032-1	007370-000	25	38 x 38	16	120	115	3
185	XD8 185	0-0739060-1	102344-000	32	38 x 38	16	120	185	3
240	XD8 240	0-0739033-1	824910-000	32	38 x 38	16	120	175	3
300	XD8 300	0-1306867-1	208708-000	40	38 x 40	16	140	–	3
400	XD8 400	0-1306868-1	436806-000	40	38 x 40	16	160	–	3
500	XD8 500	–	–	47	125 x 80	6 x 16.5	275	915	3
630	XD8 630	0-0708309-2	929572-000	47	125 x 80	6 x 16.5	275	915	3
800	XD8 800	–	–	60	125 x 80	6 x 16.5	309	–	3
1000	XD8 1000	–	–	60	125 x 80	6 x 16.5	309	–	3
1200	XD8 1200	0-0708317-	1 676262-000	65	125 x 80	6 x 16.5	335	–	3
1600	XD8 1600	–	–	70	125 x 125	9 x 16.5	335	–	3

Compression cable lugs, longitudinally sealed, acc. to DIN 46329, electro-tinned (20 my) for aluminium conductors acc. to DIN 48201 and aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: electro-tinned (20 my)

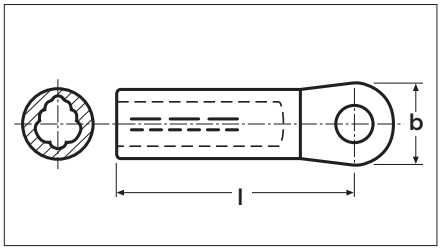
The cable lugs are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm^2) rm/sm	re/se	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/5	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
72155b		16		4,5	12	5.6	53	20	8.5	4	2	1.4
72155c		16		4.5	12	5.6	53	20	10.5	4	2	1.3
72155	16	25	5.2 – 5.6	5.1	12	6.0	53	20	8.5	4	2	1.4
72155a	16	25	5.2 – 5.6	5.1	12	6.0	53	20	10.5	4	2	1.3
72156	25	35	5.6 – 6.7	6.3	12	6.8	53	25	8.5	4	2	1.5
72156a	25	35	5.6 – 6.7	6.3	12	6.8	53	25	10.5	4	2	1.4
72156b	25	35	5.6 – 6.7	6.3	12	6.8	53	25	13.0	4	2	1.4
72157b	35	50	6.6 – 7.8	7.5	14	8.3	62	25	8.5	5	2	2.6
72157	35	50	6.6 – 7.8	7.5	14	8.3	62	25	10.5	5	2	2.4
72157a	35	50	6.6 – 7.8	7.5	14	8.3	62	25	13.0	5	2	2.3
72158b	50	70	7.7 – 9.4	9.0	16	10.0	62	25	8.5	5	2	2.5
72158	50	70	7.7 – 9.4	9.0	16	10.0	62	25	10.5	5	2	2.4
72158a	50	70	7.7 – 9.4	9.0	16	10.0	62	25	13.0	5	2	2.3
72159	70	95	9.3 – 11.0	10.5	18	11.5	72	25	10.5	6	3	3.5
72159a	70	95	9.3 – 11.0	10.5	18	11.5	72	25	13.0	6	3	3.3
72160b	95	120	11.0 – 12.4	12.5	22	13.2	75	25	10.5	6	3	7.4
72160	95	120	11.0 – 12.4	12.5	22	13.2	75	25	13.0	6	3	7.0
72160a	95	120	11.0 – 12.4	12.5	22	13.2	75	25	17.0	6	3	6.7
72161	120	150	12.5 – 13.8	14.0	22	14.7	80	30	13.0	6	3	6.8
72161a	120	150	12.5 – 13.8	14.0	22	14.7	80	30	17.0	6	3	6.5
72162	150	185	13.9 – 15.0	15.7	25	16.3	90	30	13.0	6	3	8.8
72162a	150	185	13.9 – 15.0	15.7	25	16.3	90	30	17.0	6	3	8.4
72162b	150	185	13.9 – 15.0	15.7	25	16.3	90	38	21.0	6	3	9.3
72163c	185	240	15.5 – 16.8	17.5	28	18.3	91	30	10.5	6	3	11.1
72163	185	240	15.5 – 16.8	17.5	28	18.3	91	30	13.0	6	3	11.0
72163a	185	240	15.5 – 16.8	17.5	28	18.3	91	30	17.0	6	3	10.1
72163b	185	240	15.5 – 16.8	17.5	28	18.3	91	38	21.0	6	3	11.2
72164c	240	300	17.8 – 19.2	20.3	32	21.0	103	38	10.5	8	3	16.0
72164	240	300	17.8 – 19.2	20.3	32	21.0	103	38	13.0	8	3	15.9
72164a	240	300	17.8 – 19.2	20.3	32	21.0	103	38	17.0	8	3	15.5
72164b	240	300	17.8 – 19.2	20.3	32	21.0	103	38	21.0	8	3	16.2
72165	300		20.0 – 21.6	22.5	34	23.3	103	38	17.0	8	3	17.4
72165a	300		20.0 – 21.6	22.5	34	23.3	103	38	21.0	8	3	19.1
72166	400		22.9 – 24.6		38	26.0	116	38	17.0	–	4	34.0
72166a	400		22.9 – 24.6		38	26.0	116	38	21.0	–	4	35.5
72167	500		25.7 – 27.6		44	29.0	122	44	17.0	–	4	40.5
72167a	500		25.7 – 27.6		44	29.0	122	44	21.0	–	4	40.3
72166b	400			26.0	38	28.0	116	38	17.0	–	4	34.0
72166c	400			26.0	38	28.0	116	38	21.0	–	4	35.5
72167b	500			29.1	44	31.0	122	44	17.0	–	4	40.5
72167c	500			29.1	44	31.0	122	44	21.0	–	4	40.3
72168	625				52	35.0	130	42	17.0			

Sector-shaped conductors has to be rounded with special rounding dies.
Compression cable lugs for cam compression on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Compression cable lugs, longitudinally sealed, with sector-shaped hole
for aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: uncoated

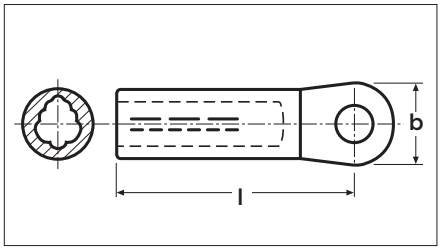
The cable lugs are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm^2)		Die code no.	Dimensions (mm)		Flat hole diameter (mm)	Number of compressions		Weight (approx. kg)
	se	sm		l	b		mech.	hydr.	100 pcs
72668	50	35	16	62	25	8.5	4	2	2.3
72668a	50	35	16	62	25	10.5	4	2	2.2
72668b	50	35	16	62	25	13.0	4	2	2.1
72669	70	50	18	62	25	10.5	4	2	3.2
72669a	70	50	18	62	25	13.0	4	2	3.0
72670	95	70	22	72	25	10.5	4	2	6.8
72670a	95	70	22	72	25	13.0	4	2	6.4
72670b	95	70	22	72	25	17.0	4	2	6.1
72671	120	95	22	75	30	13.0	4	2	6.2
72671a	120	95	22	75	30	17.0	4	2	5.9
72672	150	120	25	80	30	13.0	4	2	8.0
72672a	150	120	25	80	30	17.0	4	2	7.7
72672b	150	120	25	80	38	21.0	4	2	8.4
72673	185	150		92	30	13.0	5	3	
72674b	240	185		103		13.0			
72674a	240	185		103		17.0			
72675	300	240		103		13.0			
72675a	300	240		103		17.0			

Do not round sector-shaped conductors.
Other dimensions on request.

sm = sector stranded, **se** = sector solid.

Compression cable lugs, longitudinally sealed, electro-tinned (20 my), with sector-shaped hole for aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: electro-tinned (20 my)

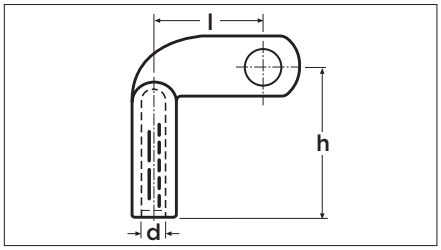
The cable lugs are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm^2)		Die code no.	Dimensions (mm)		Flat hole diameter (mm)	Number of compressions		Weight (approx. kg) 100 pcs
	se	sm		l	b		mech.	hydr.	
72688	50	35	16	62	25	8.5	4	2	2.3
72688a	50	35	16	62	25	10.5	4	2	2.2
72688b	50	35	16	62	25	13.0	4	2	2.1
72689	70	50	18	62	25	10.5	4	2	3.2
72689a	70	50	18	62	25	13.0	4	2	3.0
72690	95	70	22	72	25	10.5	4	2	6.8
72690a	95	70	22	72	25	13.0	4	2	6.4
72690b	95	70	22	72	25	17.0	4	2	6.1
72691	120	95	22	75	30	13.0	4	2	6.2
72691a	120	95	22	75	30	17.0	4	2	5.9
72692	150	120	25	80	30	13.0	4	2	8.0
72692a	150	120	25	80	30	17.0	4	2	7.7
72692b	150	120	25	80	38	21.0	4	2	8.4
72693	185	150		92	30	13.0			

Do not round sector-shaped conductors.
Other dimensions on request.

Compression cable lugs, flanged 90°

for aluminium conductors acc. to DIN 48201 and aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Surface: uncoated

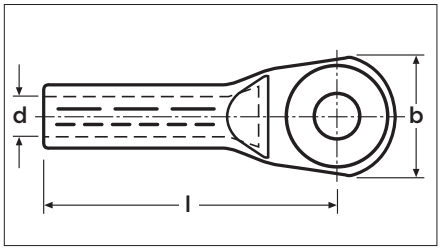
Part no.	Conductor cross-section (mm^2) rm/sm	re/se	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/1	Die code no.	Dimensions (mm) d	l	h	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
70807	35	50	6,6 – 7,8	7.5	14	8.0	42	58	10.5	5	2	3.3
70807a	35	50	6.6 – 7.8	7.5	14	8.0	42	58	13.0	5	2	3.2
70808	50	70	7.7 – 9.4	9.0	16	10.0	42	63	10.5	5	2	4.0
70808a	50	70	7.7 – 9.4	9.0	16	10.0	42	63	13.0	5	2	3.9
70809	70	95	9.3 – 11.0	10.5	18	11.5	42	74	10.5	6	3	5.8
70809a	70	95	9.3 – 11.0	10.5	18	11.5	42	74	13.0	6	3	5.7
70810	95	120	11.0 – 12.4	12.5	22	13.5	44	85	13.0	6	3	9.5
70810a	95	120	11.0 – 12.4	12.5	22	13.5	44	85	17.0	6	3	8.3
70811	120	150	12.5 – 13.8	14.0	22	14.8	44	94	13.0	6	3	10.9
70811a	120	150	12.5 – 13.8	14.0	22	14.8	44	94	17.0	6	3	10.8
70812	150	185	13.9 – 15.0	15.7	25	16.5	46	95	13.0	6	3	12.7
70812a	150	185	13.9 – 15.0	15.7	25	16.5	46	95	17.0	6	3	12.6

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Bimetal compression cable lugs

for aluminium conductors acc. to DIN 48201 and aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Flat hole: copper eye
Surface: uncoated

The cable lugs are filled with contact grease and sealed in plastic foil.

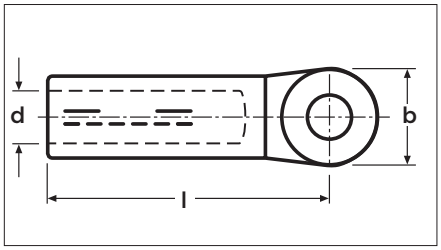
Part no.	Conductor cross-section (mm^2) rm/sm	re/se	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/5	Die code no.	Dimensions (mm) d	l	h	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
71105b		16		4.5	12	5.6	63	25	8.5	4	2	1.8
71105c		16		4.5	12	5.6	63	27	10.5	4	2	1.8
71105	16	25	5.2 – 5.6	5.1	12	6.0	63	25	8.5	4	2	2.9
71105a	16	25	5.2 – 5.6	5.1	12	6.0	63	27	10.5	4	2	2.7
71106	25	35	5.6 – 6.7	6.3	12	7.0	63	25	8.5	4	2	2.8
71106a	25	35	5.6 – 6.7	6.3	12	7.0	63	25	10.5	4	2	2.8
71106b	25	35	5.6 – 6.7	6.3	12	7.0	63	32	13.0	4	2	3.3
71107b	35	50	6.6 – 7.8	7.5	14	8.3	70	28	8.5	5	2	4.3
71107	35	50	6.6 – 7.8	7.5	14	8.3	70	29	10.5	5	2	4.3
71107a	35	50	6.6 – 7.8	7.5	14	8.3	70	32	13.0	5	2	4.3
71108b	50	70	7.7 – 9.4	9.0	16	10.0	75	28	8.5	5	2	4.2
71108	50	70	7.7 – 9.4	9.0	16	10.0	75	30	10.5	5	2	5.1
71108a	50	70	7.7 – 9.4	9.0	16	10.0	75	32	13.0	5	2	5.3
71109	70	95	9.3 – 11.0	10.5	18	11.5	85	32	10.5	6	3	6.5
71109a	70	95	9.3 – 11.0	10.5	18	11.5	85	32	13.0	6	3	6.5
71109b	70	95	9.3 – 11.0	10.5	18	11.5	85	32	17.0	6	3	6.7
71110b	95	120	11.0 – 12.4	12.5	22	13.5	93	34	10.5	6	3	9.4
71110	95	120	11.0 – 12.4	12.5	22	13.5	93	34	13.0	6	3	9.9
71110a	95	120	11.0 – 12.4	12.5	22	13.5	93	34	17.0	6	3	10.8
71111	120	150	12.5 – 13.8	14.0	22	14.8	90	34	13.0	6	3	10.2
71111a	120	150	12.5 – 13.8	14.0	22	14.8	90	34	17.0	6	3	11.6
71112	150	185	13.9 – 15.0	15.7	25	16.5	100	38	13.0	6	3	12.8
71112a	150	185	13.9 – 15.0	15.7	25	16.5	100	38	17.0	6	3	12.2
71113b	185	240	15.5 – 16.8	17.5	28	18.3	105	41	13.0	6	3	17.1
71113	185	240	15.5 – 16.8	17.5	28	18.3	105	41	17.0	6	3	17.1
71113a	185	240	15.5 – 16.8	17.5	28	18.3	105	44	21.0	6	3	17.8
71114	240	300	17.8 – 19.2	20.3	32	21.0	121	48	17.0	8	3	21.5
71114	240	300	17.8 – 19.2	20.3	32	21.0	116	48	21.0	8	3	20.9
71115	300		20.0 – 21.6	22.5	34	23.4	124	48	17.0	8	3	23.8
71115a	300		20.0 – 21.6	22.5	34	23.4	124	48	21.0	8	3	23.6
71116	400		22.9 – 24.6		42	26.0	165	60	17.0	–	4	–

Sector-shaped conductors has to be rounded with special rounding dies.
Compression cable lugs for cam compression on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Bimetal compression cable lugs acc. to 46329, longitudinally sealed

for aluminium conductors acc. to DIN 48201 and aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Flat hole: CUPAL eye
Surface: uncoated

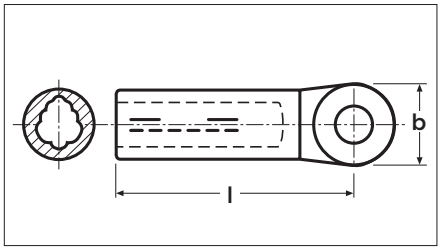
The cable lugs are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm^2) rm/sm	re/se	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/5	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
71405b		16		4.5	12	5.6	53	20	8.5	4	2	1.4
71405c		16		4.5	12	5.6	53	20	10.5	4	2	1.5
71405	16	25	5.2 – 5.6	5.1	12	6.0	53	20	8.5	4	2	1.4
71405a	16	25	5.2 – 5.6	5.1	12	6.0	53	20	10.5	4	2	1.5
71406	25	35	5.6 – 6.7	6.3	12	6.8	53	25	8.5	4	2	1.5
71406a	25	35	5.6 – 6.7	6.3	12	6.8	53	25	10.5	4	2	1.6
71406b	25	35	5.6 – 6.7	6.3	12	6.8	53	25	13.0	4	2	1.6
71407b	35	50	6.6 – 7.8	7.5	14	8.3	62	25	8.5	5	2	2.6
71407	35	50	6.6 – 7.8	7.5	14	8.3	62	25	10.5	5	2	2.4
71407a	35	50	6.6 – 7.8	7.5	14	8.3	62	25	13.0	5	2	2.3
71408b	50	70	7.7 – 9.4	9.0	16	10.0	62	25	8.5	5	2	2.5
71408	50	70	7.7 – 9.4	9.0	16	10.0	62	25	10.5	5	2	2.9
71408a	50	70	7.7 – 9.4	9.0	16	10.0	62	25	13.0	5	2	3.0
71409	70	95	9.3 – 11.0	10.5	18	11.5	72	25	10.5	6	3	3.5
71409a	70	95	9.3 – 11.0	10.5	18	11.5	72	25	13.0	6	3	4.0
71410b	95	120	11.0 – 12.4	12.5	22	13.2	75	25	10.5	6	3	7.4
71410	95	120	11.0 – 12.4	12.5	22	13.2	75	25	13.0	6	3	6.5
71410a	95	120	11.0 – 12.4	12.5	22	13.2	75	25	17.0	6	3	7.3
71411	120	150	12.5 – 13.8	14.0	22	14.7	80	30	13.0	6	3	6.8
71411a	120	150	12.5 – 13.8	14.0	22	14.7	80	30	17.0	6	3	6.6
71412	150	185	13.9 – 15.0	15.7	25	16.3	90	30	13.0	6	3	8.8
71412a	150	185	13.9 – 15.0	15.7	25	16.3	90	30	17.0	6	3	8.7
71412b	150	185	13.9 – 15.0	15.7	25	16.3	90	38	21.0	6	3	9.3
71413c	185	240	15.5 – 16.8	17.5	28	18.3	91	30	10.5	6	3	11.1
71413	185	240	15.5 – 16.8	17.5	28	18.3	91	30	13.0	6	3	11.0
71413a	185	240	15.5 – 16.8	17.5	28	18.3	91	30	17.0	6	3	12.1
71413b	185	240	15.5 – 16.8	17.5	28	18.3	91	38	21.0	6	3	11.2
71414c	240	300	17.8 – 19.2	20.3	32	21.0	103	38	10.5	8	3	16.0
71414	240	300	17.8 – 19.2	20.3	32	21.0	103	38	13.0	8	3	15.9
71414a	240	300	17.8 – 19.2	20.3	32	21.0	103	38	17.0	8	3	15.5
71414b	240	300	17.8 – 19.2	20.3	32	21.0	103	38	21.0	8	3	16.2
71415	300		20.0 – 21.6	22.5	34	23.3	103	38	17.0	8	3	17.4
71415a	300		20.0 – 21.6	22.5	34	23.3	103	38	21.0	8	3	19.1
71416	400		22.9 – 24.6		38	26.0	116	38	17.0	–	4	34.0
71416a	400		22.9 – 24.6		38	26.0	116	38	21.0	–	4	35.5
71417	500		25.7 – 27.6		44	29.0	122	44	17.0	–	4	40.5
71417a	500		25.7 – 27.6		44	29.0	122	44	21.0	–	4	40.3
71416b	400			26.0	38	28.0	116	38	17.0	–	4	34.0
71416c	400			26.0	38	28.0	116	38	21.0	–	4	35.5
71417b	500			29.1	44	31.0	122	44	17.0	–	4	40.5
71417c	500			29.1	44	31.0	122	44	21.0	–	4	40.3

Sector-shaped conductors has to be rounded with special rounding dies.
Compression cable lugs for cam compression on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Bimetal compression cable lugs, longitudinally sealed, with sector-shaped hole
for aluminium cable conductors acc. to DIN VDE 0295



Material: aluminium
Flat hole: CUPAL eye
Surface: uncoated

The cable lugs are filled with contact grease and sealed in plastic foil.

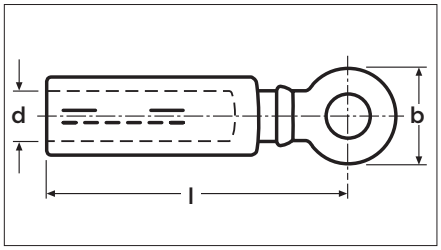
Part no.	Conductor cross-section (mm^2)		Die code no.	Dimensions (mm)		Flat hole diameter (mm)	Number of compressions		Weight (approx. kg) 100 pcs
	se	sm		l	b		mech.	hydr.	
71268	50	35	16	62	25	8.5	4	2	2.3
71268a	50	35	16	62	25	10.5	4	2	2.2
71268b	50	35	16	62	25	13.0	4	2	2.1
71269	70	50	18	62	25	10.5	4	2	3.2
71269a	70	50	18	62	25	13.0	4	2	3.0
71270	95	70	22	72	25	10.5	4	2	6.8
71270a	95	70	22	72	25	13.0	4	2	6.4
71270b	95	70	22	72	25	17.0	4	2	6.1
71271	120	95	22	75	30	13.0	4	2	6.2
71271a	120	95	22	75	30	17.0	4	2	5.9
71272	150	120	25	80	30	13.0	4	2	8.0
71272a	150	120	25	80	30	17.0	4	2	7.7
71272b	150	120	25	80	38	21.0	4	2	8.4

Do not round sector-shaped conductors.
Other dimensions on request.

sm = sector stranded, **se** = sector solid.

Bimetal compression cable lugs, acc. to DIN 46329

for aluminium conductors acc. to DIN 48201 and aluminium cable conductors acc. to DIN VDE 0295



Material: sleeve: aluminium
Palm: solid copper, can be bored
Surface: uncoated

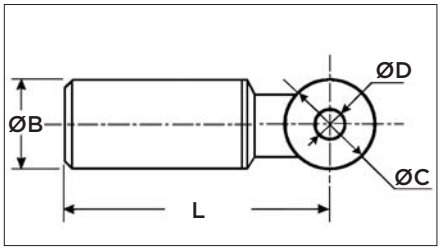
The cable lugs are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm^2) rm/sm	re/se	Conductor diameter (mm) VDE 0295	Conductor diameter (mm) DIN 48201/5	Die code no.	Dimensions (mm) d	l	b	Flat hole diameter (mm)	Number of compressions mech.	hydr.	Weight (approx. kg) 100 pcs
71225	16	25	5.2 – 5.6	5.1	12	6.0	58	20	8.5	4	2	2.8
71225a	16	25	5.2 – 5.6	5.1	12	6.0	58	20	10.5	4	2	2.6
71226	25	35	5.6 – 6.7	6.3	12	6.8	59	25	8.5	4	2	3.0
71226a	25	35	5.6 – 6.7	6.3	12	6.8	59	25	10.5	4	2	2.8
71226b	25	35	5.6 – 6.7	6.3	12	6.8	59	25	13.0	4	2	2.8
71227	35	50	6.6 – 7.8	7.5	14	8.3	70	25	8.5	5	2	5.2
71227a	35	50	6.6 – 7.8	7.5	14	8.3	70	25	10.5	5	2	4.8
71227b	35	50	6.6 – 7.8	7.5	14	8.3	70	25	13.0	5	2	4.6
71228	50	70	7.7 – 9.4	9.0	16	10.0	70	25	8.5	5	2	5.0
71228a	50	70	7.7 – 9.4	9.0	16	10.0	70	25	10.5	5	2	4.8
71228b	50	70	7.7 – 9.4	9.0	16	10.0	70	25	13.0	5	2	4.6
71229	70	95	9.3 – 11.0	10.5	18	11.5	82	25	10.5	6	3	7.0
71229a	70	95	9.3 – 11.0	10.5	18	11.5	82	25	13.0	6	3	6.5
71230	95	120	11.0 – 12.4	12.5	22	13.5	87	25	10.5	6	3	14.8
71230a	95	120	11.0 – 12.4	12.5	22	13.5	87	25	13.0	6	3	14.0
71230b	95	120	11.0 – 12.4	12.5	22	13.5	87	25	17.0	6	3	13.4
71231	120	150	12.5 – 13.8	14.0	22	14.7	92	30	13.0	6	3	13.6
71231a	120	150	12.5 – 13.8	14.0	22	14.7	92	30	17.0	6	3	13.0
71232	150	185	13.9 – 15.0	15.7	25	16.3	103	30	13.0	6	3	17.6
71232a	150	185	13.9 – 15.0	15.7	25	16.3	103	30	17.0	6	3	16.8
71232b	150	185	13.9 – 15.0	15.7	25	16.3	103	38	21.0	6	3	18.6
71233	185	240	15.5 – 16.8	17.5	28	18.3	105	30	10.5	6	3	22.2
71233a	185	240	15.5 – 16.8	17.5	28	18.3	105	30	13.0	6	3	22.0
71233b	185	240	15.5 – 16.8	17.5	28	18.3	105	30	17.0	6	3	20.2
71233c	185	240	15.5 – 16.8	17.5	28	18.3	105	38	21.0	6	3	22.4
71234	240	300	17.8 – 19.2	20.3	32	21.0	118	38	10.5	8	3	32.0
71234a	240	300	17.8 – 19.2	20.3	32	21.0	118	38	13.0	8	3	31.8
71234b	240	300	17.8 – 19.2	20.3	32	21.0	118	38	17.0	8	3	31.0
71234c	240	300	17.8 – 19.2	20.3	32	21.0	118	38	21.0	8	3	32.4

Sector-shaped conductors has to be rounded with special rounding dies.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Bimetallic lugs



Application
- Bimetallic lugs for aluminium conductors.
- MV terminations.
- LV connection on busbar inside electrical panel.

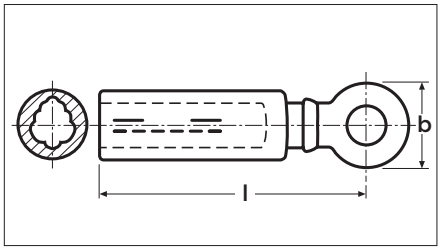
Description
- The lug is made of aluminium barrel link to a copper palm by friction welding technology.
- For external application, the alu-cu area should be protected against humidity.
- Accept cables according to NFC 32013 and IEC 228.
- To be crimped by deep stepped indentation.

Features and benefits

Range from 16 to 1600 mm^2.	One technology for all the sizes of cables.
Friction welding technology.	Age resistant current passage from the aluminium shift to the solid copper plate.
- Crimped deep step indentation.	High quality connections independent installer's skills.
	Single connector model for a given conductor cross-sectionnal area (independent of the core compression ratio).
Aluminium barrel and solid copper palm.	Best technical solution to connect aluminium conductor to a copper bar.
Compliance with specification C33090-1, electrical test performances in accordance, with NFC 63-061 class A and IEC 1238-1 class A.	

Cross Section mm²	Designation	PN	RPN	Connector Size (mm) ØB	ØC	ØD	L	Weight (g)	Standard Packaging
16	XCX 16	0-0719929-1	761570-000	16	20	10.5	72	40	3
25	XCX 25	0-0719930-1	812766-000	16	20	10.5	72	40	3
35	XCX 35	0-0719924-1	005880-000	16	25	12.8	73.5	45	3
50	XCX 50	0-0719923-1	203304-000	20	25	12.8	73.5	65	3
70	XCX 70	0-0719922-1	224166-000	20	25	12.8	73.5	65	3
95	XCX 95	0-0719921-1	831348-000	20	25	12.8	73.5	60	3
120	XCX 120	0-0719782-1	288864-000	25	30	12.8	94	130	3
150	XCX 150	0-0719783-1	128036-000	25	30	12.8	94	125	3
185	XCX 185	0-0739006-1	558578-000	32	30	12.8	94	210	3
240	XCX 240	0-0739007-1	117094-000	32	30	12.8	94	200	3
300	XCX 300	0-1306957-1	341018-000	40	36	16.5	137	380	3
400	XCX 400	0-1306962-1	140868-000	40	36	16.5	137	340	3
500	XDX 500	0-0708270-1	–	47	60 x 60	*	200	860	3
630	XDX 630	0-0708270-2	063918-000	47	60 x 60	4 Ø 9 30	200	800	3
800	XDX 800	0-0708273-1	867280-000	60	80 x 80	*	260	–	3
1000	XDX 1000	0-0708273-2	655044-000	60	80 x 80	*	260	–	3
1200	XDX 1200	0-0708275-1	587504-000	65	80 x 80	4 Ø 11 40	271	–	3
1600	XDX 1600	–	–	70	125 x 125	9 Ø 11 45	322	–	3

Bimetal compression cable lugs, longitudinally sealed, with sector-shaped hole
for aluminium cable conductors acc. to DIN VDE 0295



Material: sleeve: aluminium
Palm: solid copper can be bored
Surface: uncoated

The cable lugs are filled with contact grease and sealed in plastic foil.

Part no.	Conductor cross-section (mm^2)		Die code no.	Dimensions (mm)		Flat hole diameter (mm)	Number of compressions		Weight (approx. kg)
	se	sm		l	b		mech.	hydr.	100 pcs
71288	50	35	16	70	25	8.5	4	2	3.7
71288a	50	35	16	70	25	10.5	4	2	3.5
71288b	50	35	16	70	25	13.0	4	2	3.3
71289	70	50	18	70	25	10.5	4	2	3.9
71289a	70	50	18	70	25	13.0	4	2	3.7
71290	95	70	22	82	25	10.5	4	2	4.9
71290a	95	70	22	82	25	13.0	4	2	4.7
71290b	95	70	22	82	25	17.0	4	2	4.6
71291	120	95	22	87	30	13.0	4	2	9.1
71291a	120	95	22	87	30	17.0	4	2	9.6
71292	150	120	25	92	30	13.0	4	2	9.7
71292a	150	120	25	92	30	17.0	4	2	9.1
71292b	150	120	25	92	38	21.0	4	2	12.0
71294a	240	185				17.0			

Do not round sector-shaped conductors.
Other dimensions on request.

sm = sector stranded, **se** = sector solid.

RING AND INSULATION PIERCING CONNECTORS

RING AND INSULATION PIERCING CONNECTORS

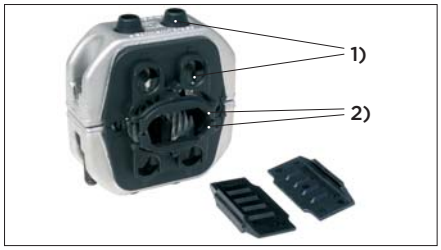
– 4-core ring connectors 92

– 3 ½-core ring connectors 98

– 3-core ring connectors 99

– Insulated piercing connectors 100

4-core ring connectors
with IP2X-protection and piercing retardant system



4-core cable connection for solid and stranded Cu and Al conductors

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

1) IP2X protection
Once the clamping ring is preassembled on the main conductor the plastic housing offers full protection against touching live contact teeth (finger test). Tested to EN 60529.

2) Piercing retardant system
During preassembly on the main conductor the contact protection system detects early contact of the contact teeth via the predetermined breaking point to ensure a large operational safety during tap-off conductor assembly.

Joint with clamping ring (set)

Available as complete set with Guro MM5 joint.

Order code (ring connector)
Part no.: HEL-6875-2X

Part no.	Main conductor Al+Cu rm/sm (mm^2)	Main conductor Al+Cu re/se (mm^2)	Tap-off conductor (mm^2)	Wrench size (mm)	Torque tap-off conductor (Nm)	Outer circle (mm)
with fixed centre wedge and contact teeth (pyramid-shaped)						
6875-2X	70 – 120	95 – 150	6 – 50 + 70	6/5	12/max. 15	98.5

4-core ring connectors

4-core ring connectors
for solid and stranded Cu and Al conductors. Allows 2 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor Al+Cu sm (mm^2)	Main conductor Al+Cu se (mm^2)	Main conductor Al+Cu rm (mm^2)	Main conductor Al+Cu re (mm^2)	Tap-off conductor (mm^2)	Wrench size (mm)	Outer circle (mm)
with fixed centre wedge and contact teeth (pyramid-shaped)							
6871	–	4 x 35	4 x 16 – 25	4 x 25 – 35	6 – 50	6/5	83
6872	4 x 35	4 x 50	4 x 35	4 x 50	6 – 50	6/5	83
6873	4 x 50	4 x 70	4 x 50	–	6 – 50	6/5	83

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

4-core ring connectors

4-core ring connectors
for solid and stranded Cu and Al conductors. Allows 2 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor cross-section (mm²) sm/rm	se	Tap-off conductor cross-section (mm²) sm/rm	se/re	Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
with fixed centre wedge and contact teeth (pyramid-shaped)							
6874	50 – 70	70 – 95	6 – 50	– 70	96.0	6/5	42.6
6875	70 – 120	95 – 150	6 – 50	– 70	98.5	6/5	42.2
6876	95 – 120	120 – 150	6 – 50	– 70	96.0	6/5	44.6
6878	150	185	6 – 70	– 70	115.0	6/5	58.0
6879**	185	240	6 – 70	– 70	124.0	6/5	69.5
6880	240	–	6 – 70	– 70	124.0	8/5	69.4
6880.1*	185 – 240	185 – 240	6 – 70	– 70	124.0	8/5	69.4

tap-off conductor possible up to 95 mm² **se** rounded
* With additional side wedges used for 185 – 240 se.
** With additional mid caps used for 185 sm.

4-core ring connectors
for solid and stranded Cu and Al conductors. Allows 2 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor cross-section (mm²) sm/rm	se	Tap-off conductor cross-section (mm²) sm/rm	se/re	Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
with moveable centre wedge and contact teeth (pyramid-shaped)							
4874	35 –70	50 –95	6 – 50	– 70	96.0	6/5	42.4
4874.1	35 –70	50 –95	6 – 50	– 70	96.0	6/5	42.4
+ 35 re used with additional side wedges							
4875	70 – 120	95 – 150	6 – 50	– 70	98.5	6/5	42.0
4876	95 – 120	120 – 150	6 – 50	– 70	96.0	6/5	44.4

Tap-off conductor possible up to 95 mm² **se** rounded.

Part no.	Main conductor cross-section (mm²) se	Tap-off conductor cross-section (mm²) sm/rm	se/re	Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
4874-35 re	35	6 – 50	– 70	96.0	6/5	42.4

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

4-core ring connectors

4-core ring connectors
for solid sector-shaped Al main conductors and solid or stranded Cu and Al tap-off conductors. Allows 2 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor cross-section (mm^2) sm	se	Tap-off conductor cross-section (mm^2) sm/rm	se/re	Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
with fixed centre wedge and cross-teethed longitudinal cutting contacts							
5876	–	120 – 150	6 – 50	– 70	96	6/5	46.0

Tap-off conductor possible up to 95 mm^2 **se** rounded.

4-core ring connectors
for solid sector-shaped Al main conductors and solid or stranded Cu and Al tap-off conductors. Allows 4 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor cross-section (mm^2) sm	se	Tap-off conductor cross-section (mm^2) sm/rm	se/re	Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
with moveable centre wedge and cross-teethed longitudinal cutting contacts							
7876	–	120 – 150	6 – 50	– 70	96	6/5	45.8

Tap-off conductor possible up to 95 mm^2 **se** rounded.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

4-core ring connectors

4-core ring connectors
for solid and stranded Cu and Al conductors. Allows 2 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor cross-section (mm^2) sm	se	Tap-off conductor cross-section (mm^2) sm/rm	se/re	Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
with fixed centre wedge and contact teeth (pyramid-shaped), tap-off connection with shear head screw							
6874 AK	50 – 70	70 – 95	6 – 50	– 70	96.0	6/5	42.6
6875 AK	70 – 120	95 – 150	6 – 50	– 70	98.5	6/5	42.2
6876 AK	95 – 120	120 – 150	6 – 50	– 70	96.0	6/5	44.6

Tap-off conductor possible up to 95 mm^2 **se** rounded.
AK = with internal hex shear head screw for tap-off conductor.

4-core ring connectors
for solid and stranded Cu and Al conductors. Allows 4 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor cross-section (mm^2) sm	se	Tap-off conductor cross-section (mm^2) sm/rm	se/re	Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
with fixed centre wedge and contact teeth (pyramid-shaped), tap-off connection with shear head screw							
4874 AK	35 – 70	50 – 95	6 – 50	– 70	96.0	6/5	42.4
4875 AK	70 – 120	95 – 150	6 – 50	– 70	98.5	6/5	42.0
4876 AK	95 – 120	120 – 150	6 – 50	– 70	96.0	6/5	44.4

Tap-off conductor possible up to 95 mm^2 **se** rounded.
AK = with internal hex shear head screw for tap-off conductor.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

4-core ring connectors

4-core ring connectors
for solid sector-shaped Al main conductors and solid or stranded Cu and Al tap-off conductors. Allows for 2 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor cross-section (mm^2)		Tap-off conductor cross-section (mm^2)		Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
	sm	se	sm/rm	se/re			
with fixed centre wedge and cross-teethed longitudinal cutting contacts, tap-off connection with shear head screw							
5876 AK	–	120 – 150	6 – 50	– 70	96	6/5	46.0

Tap-off conductor possible up to 95 mm^2 **se** rounded.
AK = with internal hex shear head screw for tap-off conductor.

4-core ring connectors
for solid sector-shaped Al main conductors and solid or stranded Cu and Al tap-off conductors. Allows for 2 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor cross-section (mm^2)		Tap-off conductor cross-section (mm^2)		Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
	sm	se	sm/rm	se/re			
with moveable centre wedge and cross-teethed longitudinal cutting contacts, tap-off connection with shear head screw							
7876 AK	–	120 – 150	6 – 50	– 70	96	6/5	45.8

Tap-off conductor possible up to 95 mm^2 **se** rounded.
AK = with internal hex shear head screw for tap-off conductor.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

4-core ring connectors

4-core ring connectors
for solid sector-shaped Al main conductors and solid or stranded Cu and Al tap-off conductors. Allows 2 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor cross-section (mm^2)	Tap-off conductor cross-section (mm^2)				Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
	se	sm	se	rm	re			
with fixed centre wedge and cross-teethed longitudinal cutting contacts, with open tap-off conductor connection.								
5877	120 – 150	35 – 120	50 – 150	10 – 95	16 – 120	142	6/6	85.0
with fixed centre wedge and cross-teethed longitudinal cutting contacts, with open tap-off conductor connection.								
5877 AK	120 – 150	35 – 120	50 – 150	10 – 95	16 – 120	142	6/6	85.0

Simple installation of tap-off conductor with open conductor connection via moveable bolted bail-typ clamp.

4-core ring connectors
for solid and stranded Cu and Al conductors. Allows 2 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Set screws: steel, DIN 913
Washers/nuts: steel

Part no.	Main conductor cross-section (mm^2)		Tap-off conductor cross-section (mm^2)				Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
	sm/rm	se	sm	se	rm	re			
with fixed centre wedge and contact teeth (pyramid-shaped), with open tap-off conductor connection									
6877	95 – 120	120 – 150	35 – 120	50 – 150	10 – 95	16 – 120	142	6/6	85.0
6877.1	95 – 120	95 – 150	35 – 120	50 – 150	10 – 95	16 – 120	142	6/6	85.0
with fixed centre wedge and contact teeth (pyramid-shaped), with open tap-off conductor connection									
6877 AK	95 – 120	120 – 150	35 – 120	50 – 150	10 – 95	16 – 120	142	6/6	85.0
6877.1 AK	95 – 120	95 – 150	35 – 120	50 – 150	10 – 95	16 – 120	142	6/6	85.0

Simple installation of tap-off conductor with open conductor connection via moveable bolted bail-typ clamp.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

3½-core ring connectors

3½-core ring connectors
for solid or stranded Al main conductors and solid or stranded Cu and Al tap-off conductors. Allows 2 optional pilot wires.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Screws: steel, grade 12.9, DIN 912
Nuts: steel, grade 10, DIN 934
Set screws: steel, DIN 913
Washers/nuts: steel

Artikel-Nr.	Main conductor cross-section (mm^2)		Neutral conductor cross-section (mm^2)		Tap-off conductor cross-section (mm^2)		Outer circle (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
	sm	se	sm	se	sm/rm	se/re			
with moveable centre wedge and contact teeth (pyramid-shaped)									
4874.3	3 x 50	–	1 x 25	–	6 – 50	6 – 70	96.0	6/5	42.0
4875.3	3 x 70 – 120	3 x 95 – 150	1 x 35 – 70	1 x 50 – 95	6 – 50	6 – 70	98.5	6/5	42.2
with fixed centre wedge and contact teeth (pyramid-shaped)									
6878.3	3 x 150	–	1 x 70	1 x 70+70re	6 – 50	6 – 50	115.0	6/5	63.8
6879.3	3 x 185	–	–	1 x 95re	6 – 50	6 – 50	124.0	8/5	73.2
6880.3-SM	3 x 240	–	1 x 120	–	6 – 50	6 – 50	124.0	8/5	72.2
6880.3-RE	3 x 240	–	–	1 x 120 re	6 – 50	6 – 50	124.0	8/5	72.2
6880.3-ARG	3 x 185 – 240	–	1 x 95 – 120	–	6 – 50	6 – 50	124.0	8/5	72.2

Testing and availability of other 3½-core conductor combinations on request.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

3-core ring connectors

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Contacts: brass (CuZn), electro-tinned
Insulating parts: Glassfibre reinforced PA
Set screws: steel, DIN 913

Part no.	Main conductor cross-section (mm^2)		Tap-off conductor cross-section (mm^2)		Clamping ring width (mm)	Wedge type	Wrench size (mm)	Weight (approx. kg) 100 pcs
	se	**sm**	**sm/rm**	**se**				
8875.3	70 – 120	70 – 95	6 – 70	95	45.5	E	5	40.0
8876.3	70 – 150	70 – 150	6 – 70	95	45.5	A	5	40.0

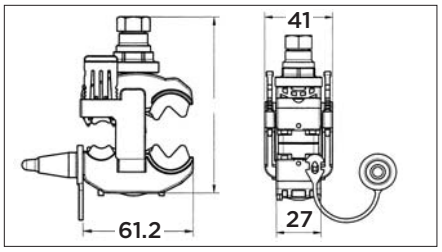
Tap-off conductor possible up to 70 mm^2 **sm** and 95 mm^2 **se** rounded.

Part no.	Main conductor cross-section (mm^2)		Tap-off conductor cross-section (mm^2)		Clamping ring width (mm)	Wedge type	Wrench size (mm)	Weight (approx. kg) 100 pcs
	se	**sm**	**sm/rm**	**se**				
8878.3	95 – 185	95 – 150	6 – 95	120	45.5	E	5	73.0

No rounding of tap-off conductors needed.
Main conductor contact via milling screws.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Insulated piercing connectors for low voltage underground application



Application

- These connectors are used to branch aluminium or copper cables in underground connecting box.

Description

- No cutting and no stripping of the main cable.
- No stripping on tap cable.
- Insulation piercing connection on main and tap cable.
- Applicable on both rigid stranded and solid cable.
- Accept circular and V shaped core (main cable).

Features and benefits

Shear head bolt.	No need for torque spanner.
Fully insulated IP2x	Allows installation on live line.
For aluminum or copper conductors, polymeric orpaper insulation.	Versatile.

Specification

- Main to main type:
  NFC 63-061 and IEC 61238-1 class A
- Main to service type:
  NFC 63061 class B and C79.

Main to main

Designation reference	PN reference	RPN	Capacity Main	Tap	Number of bolt	Bolt head	Weight (g)
DR 240X1	0-1306832-1	402310-000	95 – 240	95 – 240	2	17	1050
KZ3-95 P	0-0739956-3	–	50 – 95	50 – 95	1	13	170

Main to service

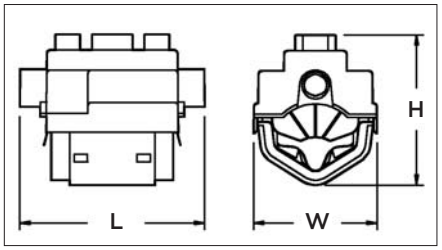
Designation reference	PN reference	RPN	Capacity Main	Tap	Number of bolt	Bolt head	Weight (g)
BR 240-35	0-1306035-1	411168-000	50 – 240 (300)*	6 – 35 (50)*	1	13	180
P2G-185	0-1574246-1	E63473-000	50 – 150 (185)*	6 – 35	1	13	190
P2G-300	0-1350329-1	708720-000	50 – 300*	6 – 35	1	13	180

* solid cables

Service to service

Designation reference	PN reference	RPN	Capacity Main	Tap	Number of bolt	Bolt head	Weight (g)
P1G-35	0-1629169-1	–	4 – 35	4 – 35	1	13	103

Underground low voltage insulated piercing connectors for mains to service connections



Application
- These connectors are intented for "live" jointing of service conductors on to LV mains cables of various types. Up to 300 mm² main and up to 2 x 35 mm² service conductors.

Description
- These connectors are composed of:
  - Connector body fully shrouded.
  - Two entry ports are provided for service cables.
  - Maximum section of each of the two service conductors depends on the main cable size.
- Service connections are made with a 3 mm grub screw.
- Main connection is made with 19 mm A/F socket.
- Maximum service cable is 35 mm copper or aluminium.

Specification
- IEC 61238-1.

Note: Service cable should be installed first prior to operating insulation piercing bolt.

Option
- A special tool is available for holding the connector during installation.
- The Boddingtons insulated allen key is recommended for making off the service connections.

Patent numbers:
GB 0002376.2 GB 0027117.1
PCT/GB00/00309 PCT/GB00/04270

Features and benefits
- Insulation piercing connector:
  - No need to strip the mains conductor.
- Connector body fully shrouded:
  - No exposed metalwork during installation.
- Insulated drive mechanism detaches at set torque when installation is complete:
  - Reduced connector size.
  - No need for torque spanner.
- One connector for all cable types:
  - Range taking
- Can be installed under load:
  - Safer working

B&H existing reference	New B&H reference	PN	RPN	Dimensions (mm) L	H	W	Conductor size range (mm²)
MSIP185	021500003	6-1199683-0	230062-000	83	60	48	50 – 185
MSIP300	021500011	5-1199672-3	580454-000	83	68	55	185 – 300

CABLE CLAMPS

CABLE CLAMPS

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Brass tap-off and connection cable clamp

Partly insulated clamp for Cu and Al cables

Material: brass (CuZn), electro-tinned
Insulation: PVC
Screw: steel, grade 8.8, hot-dip galvanized
Nut: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Main conductor cross-section (mm^2)		Tap-off conductor cross-section (mm^2)		Dimensions (mm)			Screw	Weight (approx. kg)
	rm	re	rm	re	a	b	c		100 pcs
4880	10 – 35	4 – 50	10 – 35	4 – 50	36	25	23	M 8	7.9

Brass tap-off cable clamps

Clamp for Cu and Al cables with 1 and *2 upper clamping caps

Material: brass (CuZn), electro-tinned
Screw: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Main conductor cross-section (mm^2)		Tap-off conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	sm	se	rm	re	a	b	c		100 pcs
4712	50 – 120	70 – 150	16 – 70	25 – 95	16 – 70	16 – 70	36	20	24	M 8	10.3
4714	70 – 185	95 – 240	35 – 120	35 – 150	35 – 120	50 – 150	45	23	31	M 8	17.2
4744*	70 – 185	95 – 240	35 – 120	35 – 150	35 – 120	50 – 150	44	48	31	M 8	35.5

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Brass terminal clamps

Clamp for Cu and Al cables

Material: brass (CuZn), uncoated or electro-tinned
Insulation: PVC
Screw: steel, grade 8.8, hot-dip galvanized
Nut: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no. uncoated	tinned	Main conductor cross-section (mm^2) rm/re	Tap-off conductor cross-section (mm^2) rm/re	Dimensions (mm) a	b	c	Screw	Weight (approx. kg) 100 pcs
without bolt thread								
4790 a	4790 aZ	16 – 95	16 – 95	40	18	28	M 8	12.3
with bolt thread								
4790 as	4790 asZ	16 – 95	16 – 95	40	18	28	M 8	12.4

Clamp for Cu and Al cables with tang terminal plate

Material: brass (CuZn), uncoated or electro-tinned
Insulation: PVC
Screw: steel, grade 8.8, hot-dip galvanized
Nut: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no. uncoated	tinned	Main conductor cross-section (mm^2) rm/re	Tap-off conductor cross-section (mm^2) rm/re	Dimensions (mm) a	b	c	Screw	Weight (approx. kg) 100 pcs
with flat hole Ø 13 mm								
4790	4790 Z	16 – 95	16 – 95	67	18	28	M 8	13.8
with flat hole Ø 10.5 mm								
4790.1	4790.1 Z	16 – 95	16 – 95	67	18	28	M 8	14.1

For neutral conductor connection/Ceander cable in house joint boxes.

rm = round stranded, **re** = round solid.

Bolted copper cable lugs

Heavy type

Material: E-Cu, *bronze G Bz 10
Screws: high-strength bronze F 60

Part no.	Conductor cross-section (mm^2)	Conductor diameter (mm)	Flat hole (mm)	Flat width (mm)	Screw	Weight (approx. kg) 100 pcs
with 1 upper clamping cap						
2135 a	16 – 35	5.1 – 7.5	10.5	32	M 7	13.8
2135 b	16 – 35	5.1 – 7.5	13.5	32	M 7	13.5
2150 a	35 – 70	7.5 – 10.5	10.5	32	M 8	20.0
2150 b	35 – 70	7.5 – 10.5	13.5	32	M 8	19.7
with 2 upper clamping caps						
2170 a	35 – 70	7.5 – 10.5	10.5	35	M 7	26.0
2170 b	35 – 70	7.5 – 10.5	13.5	35	M 7	25.0
2195 a	95 – 150	12.5 – 15.7	13.5	40	M 8	53.0
2195 b	95 – 150	12.5 – 15.7	17.0	40	M 8	52.0

Bolted aluminium cable lugs

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Screws: steel, grade 8.8, hot-dip galvanized

Part no.	Conductor cross-section (mm^2) Al	Al/St	Conductor diameter (mm)	Flat hole (mm)	Flat width (mm)	Screw	Weight (approx. kg) 100 pcs
with 2 upper clamping caps							
2335	16 – 35	16/2.5 – 25/4	5.1 – 7.5	13.5 – 19.0	36	M 8	13.5
2370	35 – 70	35/6 – 70/12	7.5 – 11..7	13.5 – 21.0	36	M 8	15.5
2390	70 – 120	70/12 – 95/15	11.7 – 14..0	13.5 – 21.0	40	M 8	18.0
2395	95 – 150	95/12 – 120/20	12.5 – 15.7	17.0 – 23.0	43	M 8	21.5

Bolted bimetal cable lugs

Heavy type, tang flat hole cannot be enlarged

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Screws: steel, grade 8.8, hot-dip galvanized
Spring washers: steel, grade 8.8, hot-dip galvanized

Part no.	Conductor cross-section (mm^2) Al	Al/St	Conductor diameter (mm)	Flat hole (mm)	Flat width (mm)	Screw	Weight (approx. kg) 100 pcs
with 2 upper clamping cap							
2235 a	16 – 35	16/2.5 – 25/4	5.1 – 7.5	13	36	M 8	15.0
2235 b	16 – 35	16/2.5 – 25/4	5.1 – 7.5	17	36	M 8	15.0
2270 a	35 – 70	35/6 – 70/12	7.5 – 11.7	13	36	M 8	17.0
2270 b	35 – 70	35/6 – 70/12	7.5 – 11.7	17	36	M 8	17.0
2290 a	70 – 120	70/12 – 95/15	10.5 – 14.0	13	40	M 8	20.0
2290 b	70 – 120	70/12 – 95/15	10.5 – 14.0	17	40	M 8	20.0
2295 a	95 – 150	95/12 – 120/20	12.5 – 15.7	13	43	M 8	24.0
2295 b	95 – 150	95/12 – 120/20	12.5 – 15.7	17	43	M 8	24.0

Bolted brass cable lugs

Material: brass (CuZn), electro-tinned
Screws: high-strength bronze F 60

Part no.	Conductor cross-section (mm^2)	Conductor diameter (mm)	Flat hole (mm)	Screw	Weight (approx. kg) 100 pcs
with 1 upper clamping cap					
2034	6 – 10	4.05	6.5	M 4	1.4
2035	16	5.1	6.5	M 4	1.8
2036	25	6.3	8.5	M 4	2.5
2037	35	7.5	8.5	M 5	4.5
2038	50	9.0	10.5	M 5	6.6
2039	70	10.5	10.5	M 6	9.8
2040	95	12.5	10.5	M 6	12.0
2041	120	14.0	13.5	M 6	15.5
2042	150	15.7	13.5	M 7	19.3
2043	185	17.5	17.0	M 8	25.0
with 2 upper clamping caps					
2044	240	20.2	17.0	M 8	46.0
2045	300	22.5	17.0	M 8	50.0

Aluminium flat direct terminal clamps

Single-conductor connection for Cu and Al conductors, upper and lower parts electro-tinned

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Screw: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
with hex screw									
4809	35 – 50	50 – 70	10 – 35	16 – 50	25	19	21	M 8 x 40	3.7
4809.1	35 – 50	50 – 70	10 – 35	16 – 50	28	21	24	M 10 x 45	5.9
5812.1	25 – 150	35 – 185	25 – 70	35 – 50	38	27	30	M 10 x 45	8.0
5812	25 – 150	35 – 185	25 – 70	35 – 50	38	27	30	M 12 x 55	9.8
4812.1	35 – 150	50 – 185	35 – 70	50	35	26	29	M 10 x 55	8.3
4812	35 – 150	50 – 185	35 – 70	50	35	26	29	M 12 x 55	10.1
4819	120 – 240	150 – 300			45	32	40	M 12 x 65	17.1

Single-conductor connection for Cu and Al conductors, upper and lower parts electro-tinned

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
without hex screw									
4810	35 – 50	50 – 70	10 – 35	16 – 50	25	19	21	for M 8	1.8
4810.1	35 – 50	50 – 70	10 – 35	16 – 50	28	21	24	for M 10	2.6
5814.1	25 – 150	35 – 185	25 – 70	35 – 50	38	27	30	for M 10	4.1
5814	25 – 150	35 – 185	25 – 70	35 – 50	38	27	30	for M 12	4.3
4814.1	35 – 150	50 – 185	35 – 70	50	35	26	29	for M 10	4.2
4814	35 – 150	50 – 185	35 – 70	50	35	26	29	for M 12	4.5
4818	120 – 240	150 – 300			45	32	40	for M 12	10.7

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Aluminium flat direct terminal clamps

Single-conductor connection for Cu and Al conductors, only lower part electro-tinned.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Screw: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
with hex screw									
4804	35 – 50	50 – 70	10 – 35	16 – 50	25	18	21	M 8 x 40	3,5
4804.1	35 – 50	50 – 70	10 – 35	16 – 50	28	21	24	M 10 x 45	5,9
5811.1	25 – 150	35 – 185	25 – 70	35 – 50	38	27	30	M 10 x 45	8,6
5811	25 – 150	35 – 185	25 – 70	35 – 50	38	27	30	M 12 x 55	9,5
4811.1	35 – 150	50 – 185	35 – 70	50	35	26	29	M 10 x 55	8,1
4811	35 – 150	50 – 185	35 – 70	50	35	26	29	M 12 x 55	10,0
4819.1	120 – 240	150 – 300			45	32	40	M 12 x 65	17,1

Single-conductor connection for Al conductors, only lower part electro-tinned.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
without hex screw									
4805	35 – 50	50 – 70	10 – 35	16 – 50	25	18	21	for M 8	1.7
4805.1	35 – 50	50 – 70	10 – 35	16 – 50	28	21	24	for M 10	2.6
5813.1	25 – 150	35 – 185	25 – 70	35 – 50	38	27	30	for M 10	3.4
5813	25 – 150	35 – 185	25 – 70	35 – 50	38	27	30	for M 12	3.9
4813.1	35 – 150	50 – 185	35 – 70	50	35	26	29	for M 10	4.2
4813	35 – 150	50 – 185	35 – 70	50	35	26	29	for M 12	4.6
4818.1	120 – 240	150 – 300			45	32	40	for M 12	10.7

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid

Brass flat direct terminal clamps

Single-conductor connection for Cu and Al conductors, upper and lower parts electro-tinned.

Material: brass (CuZn)
Screw: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
with hex screw									
4808	35 – 50	50 – 70	10 – 35	16 – 50	25	18	21	M 8 x 40	6.5
4806	35 – 50	50 – 70	10 – 35	16 – 50	28	21	24	M 10 x 45	10.5
4823.1	35 – 50	50 – 70	10 – 35	16 – 50	29	23	19	M 10 x 45	11..0
4823	35 – 50	50 – 70	10 – 35	16 – 50	29	23	19	M 12 x 45	12.6
4815.1	35 – 150	50 – 185	35 – 70	50	35	26	29	M 10 x 55	16.1
4815	35 – 150	50 – 185	35 – 70	50	35	26	29	M 12 x 55	17.7
4819.2	120 – 240	150 – 300			45	32	40	M 12 x 65	38.5

Single-conductor connection for Cu and Al conductors, upper and lower parts electro-tinned.

Material: brass (CuZn)
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
without hex screw									
4808.1	35 – 50	50 – 70	10 – 35	16 – 50	25	18	21	for M 8	4.6
4807	35 – 50	50 – 70	10 – 35	16 – 50	28	21	24	for M 10	7.2
4820	35 – 50	50 – 70	10 – 35	16 – 50	29	23	19	for M 10	7.4
4820.1	35 – 50	50 – 70	10 – 35	16 – 50	29	23	19	for M 12	7.6
4816.1	35 – 150	50 – 185	35 – 70	50	35	26	29	for M 10	12.2
4816	35 – 150	50 – 185	35 – 70	50	35	26	29	for M 12	12.5
4818.2	120 – 240	150 – 300			45	32	40	for M 12	32.1

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid

Aluminium flat direct terminal clamps

Two-conductor connection for Cu and Al conductors, upper and lower parts electro-tinned.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Screw: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
with hex screw									
4829	10 – 35	35 – 70	10 – 35	16 – 50	36	21	21	M 8 x 40	5.3
4829.1	10 – 35	35 – 70	10 – 35	16 – 50	36	21	21	M 10 x 45	6.9
4829.2	10 – 35	35 – 70	10 – 35	16 – 50	36	21	21	M 10 x 45	8.5
4843.1	35 – 150	50 – 185	35 – 70	35 – 50	44	26	26	M 10 x 55	9.7
4843	35 – 150	50 – 185	35 – 70	35 – 50	44	26	26	M 12 x 55	11.3

Two-conductor connection for Cu and Al conductors, upper and lower parts electro-tinned.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Screw: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
without hex screw									
4830	10 – 35	35 – 70	10 – 35	16 – 50	36	21	21	for M 8	3.5
4830.1	10 – 35	35 – 70	10 – 35	16 – 50	36	21	21	for M 10	3.2
4830.2	10 – 35	35 – 70	10 – 35	16 – 50	36	21	21	for M 10	3.6
4844.1	35 – 150	50 – 185	35 – 70	35 – 50	44	26	26	for M 10	5.8
4844	35 – 150	50 – 185	35 – 70	35 – 50	44	26	26	for M 12	5.7

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid

Aluminium flat direct terminal clamps

Two-conductor connection for Cu and Al conductors, only lower part electro-tinned.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Screw: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
with hex screw									
4827	35	50 – 70	10 – 35	16 – 50	36	21	21	M 8 x 40	5.1
4827.1	35	50 – 70	10 – 35	16 – 50	36	21	21	M 10 x 45	6.6
4827.2	35	50 – 70	10 – 35	16 – 50	36	21	21	M 12 x 45	8.5
4841.1	35 – 150	50 – 185	35 – 70	35 – 50	44	26	26	M 10 x 55	9.7
4841	35 – 150	50 – 185	35 – 70	35 – 50	44	26	26	M 12 x 55	11.6

Two-conductor connection for Cu and Al conductors, only lower part electro-tinned.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
without hex screw									
4828	35	50 – 70	10 – 35	16 – 50	36	21	21	for M 8	3.3
4828.1	35	50 – 70	10 – 35	16 – 50	36	21	21	for M 10	3.3
4828.2	35	50 – 70	10 – 35	16 – 50	36	21	21	for M 12	3.5
4842.1	35 – 150	50 – 185	35 – 70	35 – 50	44	26	26	for M 10	5.8
4842	35 – 150	50 – 185	35 – 70	35 – 50	44	26	26	for M 12	6.1

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Brass flat direct terminal clamps

Two-conductor connection for Cu and Al conductors, upper and lower parts electro-tinned.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Screw: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
with hex screw									
4831	35	50 –70	10 – 35	16 – 50	36	21	21	M 8 x 40	10.9
4831.1	35	50 –70	10 – 35	16 – 50	36	21	21	M 10 x 45	12.4
4831.2	35	50 –70	10 – 35	16 – 50	36	21	21	M 12 x 45	14.3

Two-conductor connection for Cu and Al conductors, lower part only electro-tinned.

Material: high-strength Al alloy (AlMgSi), corrosion-resistant
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Screw	Weight (approx. kg)
	sm	se	rm	re	a	b	c		100 pcs
without hex screw									
4832	35	50 – 70	10 – 35	16 – 50	36	21	21	for M 8	9.1
4821	35	50 – 70	10 – 35	16 – 50	36	21	21	for M 10	9.1
4821.1	35	50 – 70	10 – 35	16 – 50	36	21	21	for M 12	9.3

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Brass flat direct terminal clamps

Two-conductor connection for round Cu and Al conductors.

Material: brass (CuZn), electro-tinned
Screw: steel, grade 8.8, hot-dip galvanized
Stud bolt: steel, grade 8.8, hot-dip galvanized
Belleville washer: spring steel, electro galvanized, ball-cladded
Recommended torque: 45 Nm

Part no.	Conductor cross-section (mm²)		Conductor diameter	Dimensions (mm)			Screw	Weight (approx. kg)
	rm	re	(mm)	a	b	c		100 pcs
4858	2 x 95 – 300	2 x 95 – 300	12.5 – 22.5	69	41	52	M 16 x 100	84.4

Copper flat direct terminal clamps

Two-conductor connection for Cu conductors with belleville washers and hex screw.

Material: E-Cu, uncoated
Screw: high-strength bronze
Belleville washer: spring steel, electro galvanized, ball-cladded

Artikel-Nr.	Conductor cross-section (mm²)	Dimensions (mm)			Screw	Weight (approx. kg)
	rm	a	b	c		100 pcs
4855 CU	95 – 150	58	30	28	M 12 x 55	37.3
4855.1 CU	95 – 150	58	30	28	M 10 x 55	35.0

rm = round stranded, **re** = round solid.

Steel-type flat direct terminal clamps

Single-conductor connection for Cu and Al conductors for assembly on flat terminals with a max. width of 25 mm.

Frame: : steel, hot-dip galvanized
Material: brass (CuZn), electro-tinned
Pressure pad: brass (CuZn), electro-tinned
Bottom part: brass (CuZn), electro-tinned
Grub screw: brass (CuZn), electro-tinned
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm²)				Dimensions (mm)			Wrench size (mm)	Weight (approx. kg) 100 pcs
	sm	se	rm	re	a	b	c		
without terminal plate									
4865	50 – 150	70 – 185	35 – 70	35 – 70	34	23	56	6	20.6

Single-conductor connection for Cu and Al conductors for assembly on flat terminals with a max. width of 25 mm.

Frame: : steel, hot-dip galvanized
Material: brass (CuZn), electro-tinned
Pressure pad: brass (CuZn), electro-tinned
Bottom part: brass (CuZn), electro-tinned
Grub screw: brass (CuZn), electro-tinned
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm²)				Dimensions (mm)			Wrench size (mm)	Weight (approx. kg) 100 pcs
	sm	se	rm	re	a	b	c		
with terminal plate									
4865 FON	50 – 150	70 – 185	35 – 70	35 – 70	34	23	56	6	25.1

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Aluminium bow-type direct terminal clamps

Single-conductor connection for Cu and Al conductors with connecting thread in lower part for assembly on flat terminals.

Frame: high-strength Al alloy (AlMgSi), uncoated, corrosion-resistant
Bottom part: brass (CuZn), electro-tinned
Grub screw: brass (CuZn), electro-tinned

For flat terminal connections using 1 thread in the contactarea.

Part no.	Conductor cross-section (mm²)				Dimensions (mm)			Wrench size (mm)	Terminal thread	Weight (approx. kg) 100 pcs
	sm	se	rm	re	a	b	c			
4872.1	35 – 120	50 – 150	10 – 95	16 – 120	29	22	35	6	M 8	6.1

Single-conductor connection for Cu and Al conductors with connecting thread in lower part for assembly on flat terminals.

Frame: high-strength Al alloy (AlMgSi), uncoated, corrosion-resistant
Bottom part: brass (CuZn), electro-tinned
Pressure pad: brass (CuZn), electro-tinned
Grub screw: brass (CuZn), electro-tinned

For flat terminal connections using 1 thread in the contactarea.

Part no.	Conductor cross-section (mm²)				Dimensions (mm)			Wrench size (mm)	Terminal thread	Weight (approx. kg) 100 pcs
	sm	se	rm	re	a	b	c			
4870.1-D	10 – 95	35 – 120	–	–	19	28	50	6	M 8	8.1
4871.1-D	95 – 240	–	–	–	31	38	70	6	M 10	23.0
4872.1-D	35 – 70	50 – 95	10 – 50	16 – 70	29	22	35	6	M 8	6.9

Single-conductor connection for Cu and Al. Sector-type conductors with 90° and 120° possible.

Material: high-strength Al alloy (AlMgSi), uncoated, corrosion-resistant
Pressure pad: brass (CuZn), electro-tinned
Grub screw: brass (CuZn), electro-tinned
Belleville washer: spring steel, electro galvanized, ball-cladded

For flat terminal connections using 2 threads in the contact surface area

Part no.	Conductor cross-section (mm²)				Wrench size (mm)	Terminal threads	Weight (approx. kg) 100 pcs
	sm	se	rm	re			
48035-240	70 – 240	95 – 300	50 – 185	70 – 240	6	M 8	6.5
48036.1	35 – 70	50 – 95	10 – 50	16 – 70	6	M 6	10.5

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Aluminium V-type direct terminal clamps

Single-conductor connection for Cu and Al. Sector-type conductors with 90° and 120° possible.

Material: high-strength Al alloy (AlMgSi), uncoated, corrosion-resistant
Pressure pad: brass (CuZn), electro-tinned
Adapter: brass (CuZn), electro-tinned
Grub screw: brass (CuZn), electro-tinned
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Wrench	Weight (approx. kg)
	sm	se	rm	re	a	b	c	size (mm)	100 pcs
4836 N	35 – 70	50 – 95	10 – 50	16 – 50	28	19	37	5	4.1
4835 N	50 – 185	50 – 240	35 – 70	35 – 50	34	23	49	6	8.2
4835 N240	70 – 240	95 – 300	50 – 185	70 – 240	34	23	49	6	8.5
4837	120 – 240	150 – 300	120 – 400		41	22	72	6	16.5
4838*	70 – 240	95 – 300	50 – 400		41	22	72	6	16.7

* With flat pressure pad.

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Aluminium V-type direct terminal sets

Completely premounted including clamp and terminal plate.

Material: see V-type clamps/terminal plates/insulating caps

Part no.	Conductor cross-section (mm²)				Flat hole (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
	sm	se	rm	re			
4836 NML	35 – 70	50 – 95	10 – 50	10 – 50	10.5	5	7.3
4835 NML	50 – 185	50 – 240	35 – 70	35 – 50	13.0	6	14.7
4835 N240ML	70 – 240	95 – 300	50 – 185	70 – 240	13.0	6	14.7
4837 ML	120 – 240	150 – 300	120 – 400		13.0	6	32.5
4837 ML 1	120 – 240	150 – 300	120 – 400		17.0	6	32.3
4837 ML 2	120 – 240	150 – 300	120 – 400		22.0	6	32.0
4838 ML	70 – 240	95 – 300	50 – 400		13.0	6	32.7
4838 ML 1	70 – 240	95 – 300	50 – 400		17.0	6	32.5
4838 ML 2	70 – 240	95 – 300	50 – 400		22.0	6	32.2

Aluminium V-type direct terminal sets with insulating cap

Completely premounted including clamp, terminal plate and insulating cap.

Material: see V-type clamps/terminal plates/insulating caps

Part no.	Conductor cross-section (mm²)				Flat hole (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
	sm	se	rm	re			
4836 NE	35 – 70	50 – 95	10 – 50	10 – 50	10.5	5	8.4
4835 NE	50 – 185	50 – 240	35 – 70	35 – 50	13.0	6	15.8
4835 N240E	70 – 240	95 – 300	50 – 185	70 – 240	13.0	6	15.8

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Aluminium V-type direct terminal clamps with revolving pressure pad

Single-conductor connection for Cu and Al. Sector-type conductors with 90° and 120° possible. The pressure pad is free to rotate and clipped onto the grub screw to cover a large clamping range.

Material: high-strength Al alloy (AlMgSi), uncoated, corrosion-resistant
Pressure pad: brass (CuZn), electro-tinned
Grub screw: brass (CuZn), electro-tinned
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Wrench size (mm)	Torque Nm	Weight (approx. kg) 100 pcs
	sm	se	rm	re	a	b	c			
5846	35 – 95	50 – 95	25 – 50	25 – 50	28	19	37	5	15	4.2
rotated pressure pad	16 – 25	16 – 35	10 – 16	10 – 16	28	19	37	5	12	4.2
5845	50 – 240	95 – 300	50 – 185	70 – 150	34	23	49	6	23	8.3
rotated pressure pad	35 – 50	35 – 70	16 – 35	16 – 70	34	23	49	6	20	8.3

Aluminium V-type direct terminal clamps with shear head screw

With shear head screw (limited torque)
Single-conductor connection for Cu and Al. Sector-type conductors with 90° and 120° possible.

Material: high-strength Al alloy (AlMgSi), uncoated, corrosion-resistant
Pressure pad: brass (CuZn), electro-tinned
Adapter: brass (CuZn), electro-tinned
Grub screw: brass (CuZn), electro-tinned
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Wrench size (mm)	Weight (approx. kg) 100 pcs
	sm	se	rm	re	a	b	c		
4835 NAK	50 – 185	50 – 240	35 – 70	35 – 50	34	23	49	6/5	8.8
4835 N240AK	70 – 240	95 – 300	50 – 185	70 – 240	34	23	49	6/5	8.8

rm = round stranded, **sm** = sector stranded, **re** = round solid, **se** = sector solid.

Aluminium V-type direct terminal clamps for two conductors

Two-conductor connection for Cu and Al. Sector-type conductors with 90° and 120° possible.

Material: high-strength Al alloy (AlMgSi), uncoated, corrosion-resistant
Pressure pad: brass (CuZn), electro-tinned
Adapter: brass (CuZn), electro-tinned
Grub screw: brass (CuZn), electro-tinned
Belleville washer: spring steel, electro galvanized, ball-cladded

Part no.	Conductor cross-section (mm^2)				Dimensions (mm)			Wrench	Weight (approx. kg)
	sm	se	rm	re	a	b	c	size (mm)	100 pcs
5836	35 – 70	50 – 95	25 – 70	35 – 95	28	18	52	5	7.8
5835	50 – 185	70 – 240	50 – 185	70 – 240	34	22	75	6	16.7
5837	95 – 240	120 – 300	50 – 185	70 – 240	34	22	75	6	16.7

Steel V-type direct terminal clamps with revolving pressure pad

The pressure pad is free to rotate and clipped onto the grub screw to cover a large clamping range.

Frame: steel, hot-dip galvanized
Pressure pad: brass (CuZn), electro-tinned
Grub screw: brass (CuZn), electro-tinned

PVC protective caps

For V-type terminal clamps and frame terminal clamps.

Material: self-extinguishing polypropylene, halogen-free

Part no.	Use with part no.	Weight (approx. kg) 100 pcs
4836 SK	4836, 4836 N	1.0
4834/35 SK	4835, 4835 N, 4835 N240, 5845, 5865	2.0
4865 SK	4865, 4865 FON	2.6

T-wrench

Fully insulated hex T-wrench for assembling V-type direct terminal clamps and bolted connectors.

Material: glass-fiber, reinforced plastic, tool steel

Part no.	Wrench size	Weight (approx. kg) 100 pcs
4890	SW 5	1.0
4891	SW 6	2.0

Copper V-type terminal plates

V-type terminal plates for conductor connection Cu and Al assembled on flat terminals. Sector-type conductors with 90° and 120° possible.

Material: E-Cu, electro-tinned

Part no.	For part no.	Flat hole dia. (mm)	Weight (approx. kg) 100 pcs
4836 L 1	4836, 4836 N, 5836, 5846	8.5	3.4
4836 L	4836, 4836 N, 5836, 5846	10.5	3.3
4836 L 2	4836, 4836 N, 5836, 5846	13.0	3.2
4835 L 1	4834, 4835, 4835 N, 4835 N240, 4835 S, 4835 AK, 4835 NAK, 4835 N240AK, 5835, 5835 240, 5865, 4837, 5845, 5837	10.5	5.8
4835 L	4834, 4835, 4835 N, 4835 N240, 4835 S, 4835 AK, 4835 NAK, 4835 N240AK, 5835, 5835 240, 5865, 4837, 5845, 5837	13.0	5.6
4835 L 2	4834, 4835, 4835 N, 4835 N240, 4835 S, 4835 AK, 4835 NAK, 4835 N240AK, 5835, 5835 240, 5865, 4837, 5845, 5837	17.0	5.4
4837 L	4837, 4838	13.0	16.0
4837 L 1	4837, 4838	17.0	15.8
4837 L 2	4837, 4838	22.0	15.5

Copper V-type terminal plates angeled 30°

V-type terminal plates 30° offset for conductor connection Cu and Al assembled on flat terminals. Sector-type conductors with 90° and 120° possible.

Material: E-Cu, electro-tinned

Part no.	For part no.	Flat hole dia. (mm)	Weight (approx. kg) 100 pcs
4836 L.1-W30	4836, 4836N, 5836, 5846	8.5	3.4
4835 L.1-W30	4834, 4835, 4835 N, 4835 N240, 4835 S, 4835 AK, 4835 NAK, 4835 N240AK, 5835, 5835 240	10.5	5.8
4835 L-W30	4834, 4835, 4835 N, 4835 N240, 4835 S, 4835 AK, 4835 NAK, 4835 N240AK, 5835, 5835 240	13.0	5.6
4835 L.2-W30	4834, 4835, 4835 N, 4835 N240, 4835 S, 4835 AK, 4835 NAK, 4835 N240AK, 5835, 5835 240	17.0	5.4

Copper transformer terminal clamps

For connecting of flat conductors to transformers using studs.

Material: E-Cu, uncoated
Screws: stainless steel A 2

For using at terminal studbolts M20 or M30.

Part no.	Terminal thread	Flat holes (mm)	Dimensions (mm)	Screw	Weight (approx. kg) 100 pcs
4856	M 20	13.0	Ø 65 x 100	M 10 x 30	115.0
4857	M 30	13.0	Ø 65 x 100	M 10 x 30	108.0

Transformer terminal clamps for two conductors

Two-conductor connection for Cu and Al conductors with terminal plate.

Frame: high-strength Al alloy (AlMgSi), electro-tinned
Pressure pad: brass (CuZn), electro-tinned
Terminal plate: brass (CuZn), electro-tinned
Grub screws: brass (CuZn), electro-tinned

Part no.	Conductor cross-section (mm^2) sm	rm	Flat hole (mm)	Tang width (mm)	Wrench size (mm)	Weight (approx. kg) 100 pcs
4860	120 – 185	120 – 300	13	45	6	75.3
4860.1	120 – 185	120 – 300	17	45	6	75.0
4860.2	120 – 185	120 – 300	21	45	6	74.5

Also without different flat holes in terminal plate available.

rm = round stranded, **sm** = sector stranded.

Copper contact cutting ring

Contact cutting ring with cutting edges on both sides for cutting the insulation to get contact between insulated flat terminal busbars.

Material: high-strength copper alloy (CuNiSi2), uncoated

Part no.	Outer Ø (mm)	Inner Ø (mm)	Height (mm)	Weight (approx. kg) 100 pcs
4999	30.0	13.0	7.0	1.8

LINK BOX

LINK BOX

– Low voltage 2 and 4 way link box 126

– Vacuum forming and plastic fabrication 128

Low voltage 2 and 4 way link box

Application
Connecting or switching underground low voltage cables.

Description
Modular link box body kit in 2-way and 4-way configurations designed for 3 core CNE cables (95 mm^2 – 300 mm^2) and most LV cables, including those with full-sized sectorial neutral/earth conductors. Snap-fit terminal cover permits on-site single resin casting with live connections. Complete kit includes casting shell assembly, cable setting jig, electrical connections, wedge links, diving bell lid, toolbox, pit enclosure, galvanized frame and cover. Comes untailed.

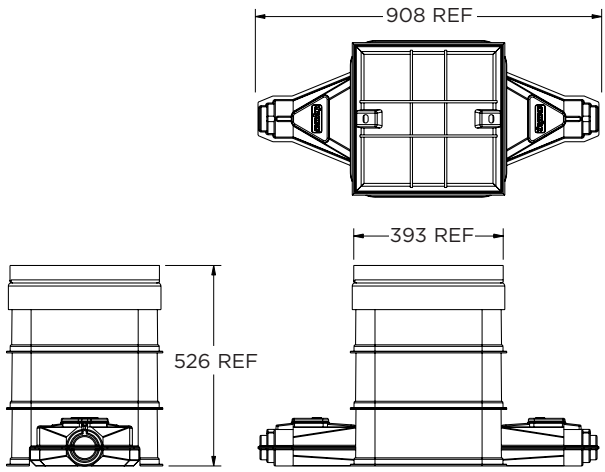
Specifications
- Meets or exceeds engineering recommendation C.81/4 BS7888 type approval for joints and 600/1000 volt cable systems. Pit frame and cover meet B125 EN124 standards.

Complete
- Modular concept reduces weight and space required for link box positioning, making installation possible in congested areas while reducing excavation and reinstatement costs.
- Patented modular assembly integrates single resin casting, snap fit terminal cover, diving bell lid, and pit enclosure.
- Supplied with the full set of required 82.5 mm wedge links (three links with 2-way box and 12 links with 4-way).
- Unique injection moulded toolbox combines the functions of hiding the diving bell lid and storing out-of-service links with the bright yellow “Danger, live electrical apparatus” warning.
- Cast iron diving bell lid with integrated moisture run-off and release system provides product integrity for up to a 2 meter head of water at 10 degree installation.
- Modular pit enclosure frame comes in 150 mm deep sections for varying cable depths.

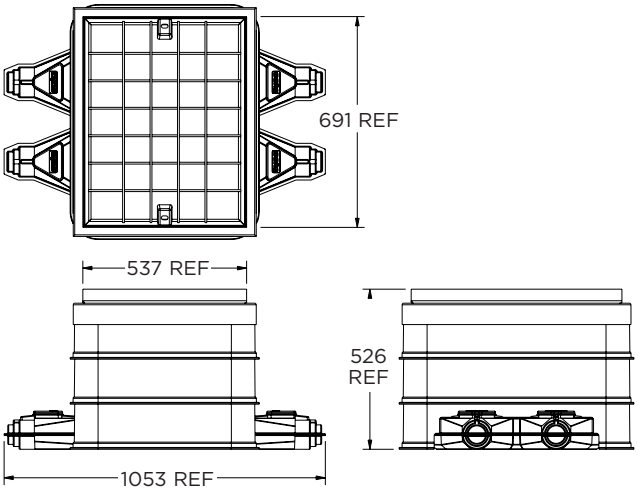
Efficient
- Snap-fit terminal cover comes with printed colour and number phase identification, moulded resin bond area, and is topped by a clear vacuum-formed moisture and debris protector.
- Live installation possible due to bespoke injection moulded shrouds.
- Cable core setting jig allows accurate conductor alignment before positioning the link box body, permitting easy access to cables and enabling better electrical connections.
- Clear vacuum-formed body shell allows both easy cable installation and inspection prior to resin fill. Shell designed for crossing 300 mm^2 cores with sufficient resin coverage.
- Single resin casting reduces installation time and volume of required resin.
- Pit cover is housed in a galvanized metal frame and has 100 mm of movement for uneven surfaces. Cover can be supplied with or without concrete fill, allowing on-site customization.

Reliable
- Single resin casting eliminates moisture tracking and ingress problems resulting from multiple castings.
- All busbars and terminal spigots made from 6 mm electro-tinned copper.
- All internal connections made with standard B&H tested components (UET and BTCNE connectors) featuring mechanical shear torque controlled technology.
- Reduced number of connections improves electrical performance and project longevity.
- Error-proof assembly due to torque and system control software and zero-fault

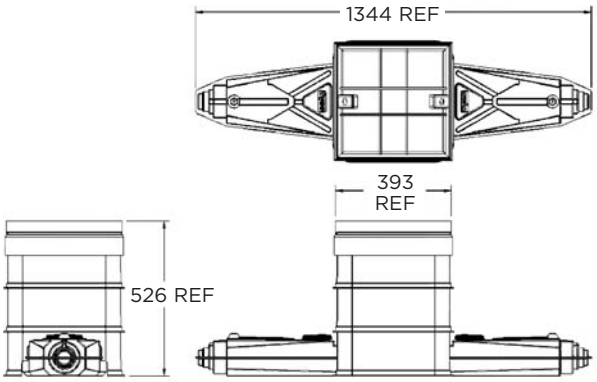
Low voltage 2 & 4 way Link Boxes, untailed



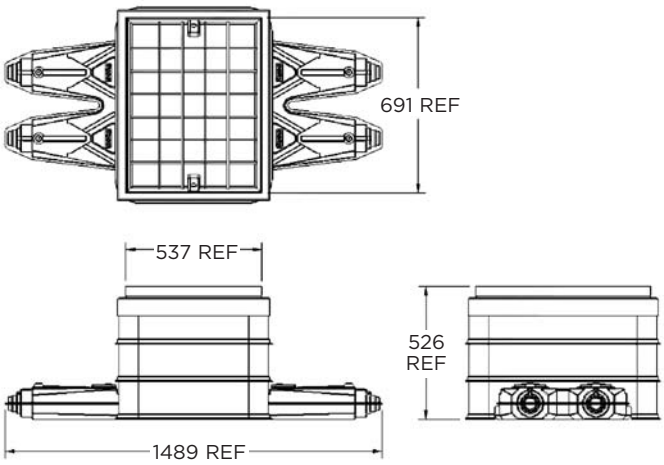
2-Way



4-Way



2-Way Multicable



4-Way Multicable

B&H Ref	B&H PN	TPN	RPN	Description
1700/UK	BAH-038110020	4-1201785-5	A98272-000	2-Way 3 Core UK Link Box
1700/EX	BAH-038110021	9-1201786-5	F66051-000	2-Way 3 Core Export Link Box
1701/UK	BAH-038110022	9-1201785-9	D27898-000	4-Way 3 Core UK Link Box
1701/EX	BAH-038110023	2-1201785-2	A50369-000	4-Way 3 Core Export Link Box
1702/MC	BAH-038110043	–	CA1633-000	2-Way Multicable Untailed MK2 Link Box
1703/MC	BAH-038110047	–	CA1637-000	4-Way Multicable Untailed MK2 Link Box

Vacuum forming and plastic fabrication

Tyco's expertise in vacuum forming and fabrication has been established in the UK electricity supply market, in which it supplies over 70 % of all the plastic joint boxes used. Within this dynamic environment of fast changing designs and process innovation, Tyco has evolved a rapid design, toolmaking and production service, which is second to none.

This ISO9000 accredited service offers

- 4 vacuum forming machines with ancillary equipment allowing a bed size up to 2.25 x 1.25 m (88.6 x 49.2 inches)
- Capability to manufacture in high impact polystyrene, PVC, PET, ABS, HDPE and polypropylene.
- Full prototype and production tooling service inhouse.
- Fast track tooling service available – concept to product in 2 – 4 weeks.
- Design consultation service available, including on site visits etc.
- Specialist expertise in all elements of cable joint design from 240 V street lighting to 33 kV trifurcating joints.
- Most designs can be made without the expense of detailed drawings, but 3D CAD modeling services are available in-house.

Vacuum forming and plastic fabrication

Joint Shell In Special Coloured Finish

Display Tray Manufactured In ABS

Fabricated PVC Isolation Shroud

Joint Shell Manufactured In Black HIPS

ACCESSORIES
TOOLS

ACCESSORIES, TOOLS

– Cordless impact wrench 132

– Counter bracket 132

– Hydraulic pumps and crimping heads 133

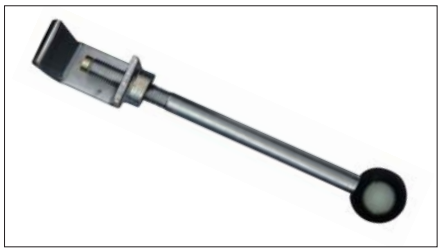
Cordless impact wrench IT 1000-023

For installation of bolted connectors and bolted cable lugs with shear head bolts.

Features:
- Quick and simple assembly
- No counter bracket required
- Easy-to-handle and practical design
- For shear head bolts up to 100 Nm
- Powerful battery, eg. suffices for approx. 20 pcs 4-bolt connectors per charge
- Complete set for all bolted standard connections

Package contents:
1 charger UC 14YFA
2 Ni-MH batteries 12 V/2.6 Ah
1 carrying case
1 operating instruction
1/2" hex sockets: 10, 13, 17, 19, 22, 27
hex keys: 6, 8
1 1/4" hex adapter

Counter bracket IT 1000-19



Features:
- Counter bracket for bolted connectors screw joints and screw bolted cable lugs
- Handle length: 205 mm
- Range: 15 – 60 mm Ø

Hydraulic pumps and crimping heads

Foot pump

Part no.	Equipped of coupler	Pump reference
710370-1	threated type	SOLHYFLEX plus + HP3M + B
710595-1	quick ball type	SOLHYFLEX plus + HP3M + CF
710371-1		CR/SOLHYFLEX

Battery operated pump

Part no.	Equipped of coupler	Pump reference
1306443-1	threated type	AUTOPUMP 700/0,3 COMPLET + B
1306443-2	quick ball type	AUTOPUMP 700/0,3 COMPLET + CF
1306443-4	threated type	AUTOPUMP 700/0,3 + B
1306443-3	quick ball type	AUTOPUMP 700/0,3 + CF
1306604-1	accessories for battery operated pump	Autopump charger
1306605-1	accessories for battery operated pump	Autopump battery
	accessories for battery operated pump	CR/Autopump

Battery operated pump

Part no.	Equipped of coupler	Pump reference
1351614-1	threated type	GEH PIQUE-COUPE + B
1351614-2	quick ball type	GEH PIQUE-COUPE + CF

Electrical pump (220 V)

Part no.	Equipped of coupler	Pump reference
719623-1	threated type	GEH 700/0,4 + HP3M + B-CEM
719623-2	quick ball type	GEH 700/0,4 + HP3M + CF-CEM
708736-1		CR/GEH 700/0,4

Electrical pump (220 V)

Part no.	Equipped of coupler	Pump reference
1350803-1	threated type	GEH 700/0,5 + HP3M + B-CEM
1350803-2	quick ball type	GEH 700/0,5 + HP3M + CF-CEM
710393-1	accessories for motorized pump	Monitor handle
710396-1	accessories for motorized pump	Extension monitor cord, 3,5 m
710423-1	accessories for motorized pump	Extension monitor cord, 10 m
710749-1	accessories for motorized pump	Extension monitor cord, 6 m

Hydraulic pumps and crimping heads

Engine operated pump

Part no.	Equipped of coupler	Pump reference
708746-2	threated type	GTH 700/0,5 + B
708746-1	quick ball type	GTH 700/0,5 + CF

Engine operated pump

Part no.	Equipped of coupler	Pump reference
708691-1	threated type	GTHMDE 700/1,5 + HP3M + B-CEM
708691-3	quick ball type	GTHMDE 700/1,5 + HP3M + CF

Crimping head

Part no.	Designation	Die's type	Application field
1306229-1	V8OU+A	7E/7R/8E	Max. 240[2] use the same dies for Simabloc 80
1306227-2	V8OU+CM		Max. 150[2]

Crimping head

Part no.	Designation	Die's type	Application field
1229937-3	V120C+A+coffret	12E/12R	Max. 240[2] use the same dies for Simabloc 120C
1229937-4	V120C+CM+coffret		Max. 150[2]

Crimping head*

Part no.	Designation	Die's type	Application field	
1229937-3	V13UNG+A	18P/18M/13UE/	Max. 300[2]	Max. 240[2]
1229937-4	V13UNG+CM	13P/13M/17P/17M	Max. 240[2]	Max. 240[2]

Crimping head*

Part no.	Designation	Die's type	Application field	
716550-1	V13UNG90+A	18P/18M/13UE/	Max. 300[2]	Max. 240[2]
716549-1	V13UNG90+CM	13P/13M/17P/17M	Max. 240[2]	Max. 240[2]

* = Meet the french standard NFC 33090-4, For heavy duty use, please ask for a specific tool.
+A = Threaded coupler (comply with C33090-4).
+CM = Quick ball coupler.
[2] = The head V13UNG90 is equipped of a rotative coupler to be more efficient in reduced space.

Hydraulic pumps and crimping heads

Crimping head*

Part no.	Designation	Die's type	Application field
718046-1 718293-1	V13UDNG+A V13UDNG+CM	18P/18M/13UE/ 13P/13M/17P/17M	Special design to crimp tap connectors: DMT and DBTA. With adapter 13RUD, can be used for the same application as V13UNG.

Crimping head

Part no.	Designation	Die's type	Application field
718294-1 718295-1	V13UDNG90+A[2)] V13UDNG90+CM	18P/18M/13UE/ 13P/13M/17P/17M	Special design to crimp tap connectors: DMT and DBTA. With adapter 13RUD, can be used for the same application as V13UNG.

Crimping head*

Part no.	Designation	Die's type	Application field
718440-1 718441-1 718730-1	V20UNG+A[2)] V20UNG+CM V20UNG90+A	20UE/28M/28P/ 27M/27P	Max. 630[2)] Max. 400[2)] Max. 228[2)] Max. 400[2)]

Crimping head*

Part no.	Designation	Die's type	Application field
711914-1 710588-1	V20U-630+A V20U-630+CM	48M/48P	Max. 630[2)]

Crimping head*

Part no.	Designation	Die's type	Application field
707911-1	V22U+A	22UE/22SE/22SUS	Max. 630[2)] + SNCF, RATP

Crimping head

Part no.	Designation	Die's type	Application field
711591-1 710589-1	V40U+A V40U+CM	48PE/48M	Max. 1000[2)] Max. 1600[2)]

* = Meet the french standard NFC 33090-4, For heavy duty use, please ask for a specific tool.
+A = Threaded coupler (comply with C33090-4).
+CM = Quick ball coupler.
[2)] = The head V13UNG90 is equipped of a rotative coupler to be more efficient in reduced space.

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