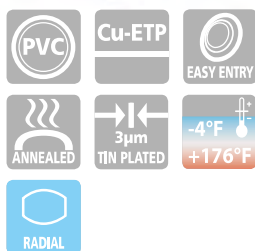




ELECTRICAL CONNECTORS

ac-dc-hotline.com/cembre-hotline-1





The unique funnel shaped PVC sleeve guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection. Electrical connectors are produced using electrolytic copper with a purity greater than 99.9%.

The internal surface of the barrel is rifled to improve contact with conductor strands when crimped and to increase tensile strength.

The "F" range of terminals offers a wide selection of rings, forks, pins and blades, designed to meet the

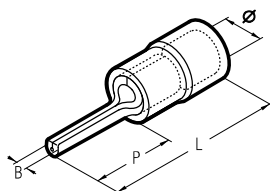
ever changing end user requirements. The PVC insulation, is a self extinguishing thermoplastic material class V0 (UL 94).

The operating temperature range is - 4 to + 176°F (Surge + 194°F).

Recommended crimping tools are shown on pages 162 to 199, 286.

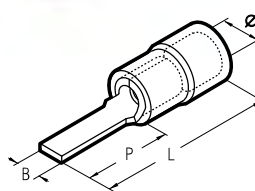


pin terminals



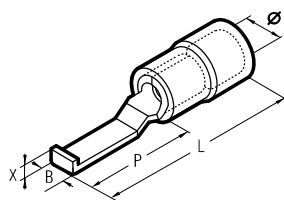
Cond. Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
 22 - 16 (0.25 - 1.5)	RF-P8	0.16	0.06	0.31	0.70	3,000/100
	RF-P10	0.16	0.06	0.39	0.78	3,000/100
	RF-P12	0.16	0.06	0.47	0.87	3,000/100
 16 - 14 (1.5 - 2.5)	BF-P8	0.19	0.06	0.31	0.70	2,500/100
	BF-P10	0.19	0.06	0.39	0.78	2,500/100
	BF-P12	0.19	0.06	0.47	0.86	2,500/100
 12 - 10 (4 - 6)	GF-P10	0.26	0.09	0.39	0.96	1,000/100
	GF-P12	0.26	0.09	0.47	1.05	1,000/100
	GF-P14	0.26	0.09	0.55	1.13	1,000/100

blade terminals



Cond. Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
 22 - 16 (0.25 - 1.5)	RF-PP12	0.16	0.12	0.50	0.90	3,000/100
	RF-PP12/1	0.16	0.12	0.44	0.84	3,000/100
	RF-PP12/19	0.16	0.07	0.52	0.91	3,000/100
	RF-PP12/23	0.16	0.09	0.52	0.91	2,500/100
	RF-PP14	0.16	0.12	0.58	0.98	2,500/100
	RF-PP16/23	0.16	0.09	0.68	1.07	2,500/100
 16 - 14 (1.5 - 2.5)	BF-PP10	0.19	0.14	0.39	0.79	2,500/100
	BF-PP12	0.19	0.14	0.50	0.90	2,500/100
	BF-PP12/25	0.19	0.10	0.52	0.92	2,000/100
	BF-PP12/29*	0.19	0.11	0.52	0.92	2,500/100
	BF-PP16/25	0.19	0.10	0.68	1.07	2,500/100
	GF-PP12	0.26	0.16	0.52	1.08	1,000/100
 12 - 10 (4 - 6)	GF-PP17	0.26	0.11	0.76	1.31	1,000/100

hooked blade terminals



Cond. Size AWG (sqmm)	Type	Dimensions in.					Quantity Box/Bag
		Ø	B	P	L	X	
 22 - 16 (0.25 - 1.5)	RF-PPL30*	0.16	0.12	0.69	1.11	0.07	2,500/100
	RF-PPL46*	0.16	0.18	0.69	1.11	0.07	2,500/100
 16 - 14 (1.5 - 2.5)	BF-PPL30*	0.19	0.12	0.69	1.11	0.07	2,000/100
	BF-PPL46*	0.19	0.18	0.69	1.11	0.07	2,000/100
 12 - 10 (4 - 6)	GF-PPL46*	0.26	0.18	0.69	1.28	0.07	1,000/100

*Not UL approved

PVC INSULATED CRIMP TERMINALS

RF BF GF

F range funnel entry - for copper conductors



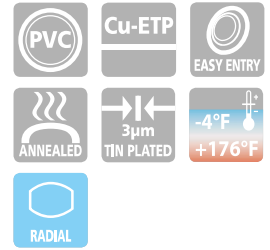
VALSTAR-N4

Robust plastic case with compartments, containing:

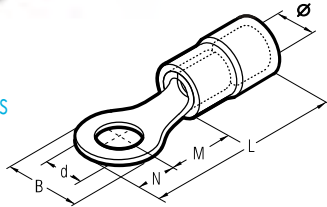
- An assortment of PVC insulated crimp terminals for conductor sizes 22 - 10 AWG.
- Cable ties
- Tool Crimpstar® HP3.

Connectors included:

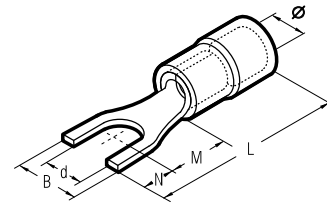
- Qty 100 terminals RF-M4
- Qty 100 terminals BF-M5
- Qty 100 terminals GF-M6
- Qty 100 terminals RF-F608P
- Qty 100 terminals BF-F608P
- Qty 100 connectors PL03-M
- Qty 100 cable ties G100X2.5



ring terminals



fork/spade terminals



Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Ø	B	M	N	L	d	
 22 - 16 (0.25 - 1.5)	#3	RF-M2**	0.16	0.22	0.18	0.11	0.68	0.09	3,000/100
	#4	RF-M3	0.16	0.22	0.18	0.11	0.68	0.13	3,000/100
	#6	RF-M3.5	0.16	0.22	0.18	0.11	0.68	0.15	3,000/100
	#6	RF-M3.5/1	0.16	0.24	0.28	0.12	0.80	0.15	3,000/100
	#8	RF-M4	0.16	0.28	0.26	0.14	0.79	0.17	3,000/100
	#8	RF-M4/3*	0.16	0.31	0.28	0.15	0.83	0.17	3,000/100
	#10	RF-M5	0.16	0.31	0.28	0.15	0.83	0.21	2,500/100
	1/4"	RF-M6	0.16	0.37	0.32	0.19	0.9	0.25	2,500/100
	1/4"	RF-M6/1	0.16	0.47	0.41	0.24	1.04	0.25	2,000/100
	17/64"	RF-M7	0.16	0.37	0.32	0.19	0.90	0.28	2,500/100
	5/16"	RF-M8	0.16	0.47	0.41	0.24	1.04	0.33	2,000/100
	3/8"	RF-M10	0.16	0.61	0.51	0.30	1.21	0.41	1,500/100
1/2"	RF-M12	0.16	0.71	0.61	0.35	1.36	0.51	1,500/100	
 16 - 14 (1.5 - 2.5)	#3	BF-M2**	0.19	0.22	0.20	0.11	0.70	0.09	3,000/100
	#4	BF-M3	0.19	0.22	0.20	0.11	0.70	0.13	2,500/100
	#6	BF-M3.5	0.19	0.22	0.20	0.11	0.70	0.15	2,500/100
	#6	BF-M3.5/1	0.19	0.24	0.26	0.12	0.77	0.15	2,500/100
	#8	BF-M4	0.19	0.31	0.26	0.16	0.81	0.17	2,500/100
	#10	BF-M5	0.19	0.31	0.30	0.16	0.85	0.21	2,000/100
	1/4"	BF-M6	0.19	0.37	0.34	0.19	0.92	0.25	2,000/100
	1/4"	BF-M6/1	0.19	0.47	0.41	0.24	1.04	0.25	2,000/100
	1/4"	BF-M6/2**	0.19	0.33	0.21	0.17	0.77	0.25	2,500/100
	17/64"	BF-M7	0.19	0.39	0.31	0.20	0.90	0.28	2,000/100
	5/16"	BF-M8	0.19	0.47	0.41	0.24	1.04	0.33	1,500/100
	3/8"	BF-M10	0.19	0.61	0.51	0.30	1.21	0.41	1,500/100
1/2"	BF-M12	0.19	0.71	0.61	0.35	1.36	0.51	1,000/100	
 12 - 10 (4 - 6)	#4	GF-M3	0.26	0.31	0.32	0.16	1.03	0.13	1,000/100
	#6	GF-M3.5	0.26	0.31	0.32	0.16	1.03	0.15	1,000/100
	#8	GF-M4	0.26	0.35	0.32	0.18	1.05	0.17	1,000/100
	#10	GF-M5	0.26	0.35	0.32	0.18	1.05	0.21	1,000/100
	1/4"	GF-M6	0.26	0.43	0.44	0.22	1.21	0.25	1,000/100
	1/4"	GF-M6/1	0.26	0.43	0.32	0.22	1.09	0.25	1,000/100
	17/64"	GF-M7	0.26	0.43	0.44	0.22	1.21	0.28	1,000/100
	5/16"	GF-M8	0.26	0.54	0.48	0.27	1.30	0.33	800/100
	5/16"	GF-M8/1**	0.26	0.43	0.32	0.22	1.09	0.33	1,000/100
	3/8"	GF-M10	0.26	0.54	0.48	0.27	1.30	0.41	800/100
	3/8"	GF-M10/1	0.26	0.61	0.54	0.3	1.41	0.41	800/100
	1/2"	GF-M12	0.26	0.75	0.59	0.37	1.52	0.51	500/100
9/16"	GF-M14	0.26	0.83	0.63	0.41	1.60	0.59	500/100	
5/8"	GF-M16	0.26	0.94	0.67	0.47	1.70	0.67	500/100	

Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Ø	B	M	N	L	d	
 22 - 16 (0.25 - 1.5)	#4	RF-U3	0.16	0.22	0.22	0.16	0.77	0.13	3,000/100
	#6	RF-U3.5	0.16	0.24	0.26	0.15	0.80	0.15	3,000/100
	#6	RF-U3.5/1	0.16	0.28	0.26	0.15	0.80	0.15	3,000/100
	#6	RF-U3.5/2*	0.16	0.25	0.26	0.15	0.80	0.15	3,000/100
	#8	RF-U4	0.16	0.26	0.30	0.15	0.83	0.17	3,000/100
	#8	RF-U4/1	0.16	0.33	0.30	0.15	0.83	0.17	3,000/100
	#8	RF-U4/2	0.16	0.30	0.30	0.15	0.83	0.17	3,000/100
	#10	RF-U5	0.16	0.33	0.30	0.15	0.83	0.21	2,500/100
	#10	RF-U5/1**	0.16	0.37	0.30	0.15	0.83	0.21	3,000/100
	1/4"	RF-U6	0.16	0.37	0.32	0.19	0.90	0.25	2,000/100
	1/4"	RF-U6/1	0.16	0.47	0.36	0.28	1.04	0.25	2,000/100
	5/16"	RF-U8	0.16	0.55	0.39	0.25	1.04	0.33	2,000/100
 16 - 14 (1.5 - 2.5)	3/8"	RF-U10	0.16	0.69	0.51	0.30	1.21	0.41	1,500/100
	1/2"	RF-U12	0.16	0.79	0.61	0.35	1.36	0.51	1,500/100
	#4	BF-U3	0.19	0.22	0.22	0.16	0.77	0.13	2,500/100
	#6	BF-U3.5	0.19	0.25	0.26	0.15	0.80	0.15	2,500/100
	#6	BF-U3.5/1*	0.19	0.28	0.26	0.15	0.80	0.15	3,000/100
	#8	BF-U4	0.19	0.26	0.30	0.15	0.83	0.17	2,500/100
	#8	BF-U4/1	0.19	0.33	0.30	0.15	0.83	0.17	2,000/100
	#8	BF-U4/2	0.19	0.30	0.30	0.15	0.83	0.17	2,000/100
	#10	BF-U5	0.19	0.33	0.30	0.15	0.83	0.21	2,000/100
	#10	BF-U5/2*	0.19	0.47	0.44	0.20	1.04	0.21	1,500/100
	1/4"	BF-U6	0.19	0.37	0.32	0.19	0.90	0.25	2,000/100
	1/4"	BF-U6/1	0.19	0.47	0.36	0.28	1.04	0.25	2,000/100
 12 - 10 (4 - 6)	5/16"	BF-U8	0.19	0.55	0.39	0.25	1.04	0.33	1,500/100
	3/8"	BF-U10	0.19	0.69	0.51	0.30	1.21	0.41	1,000/100
	1/2"	BF-U12	0.19	0.79	0.61	0.35	1.36	0.51	1,000/100
	#6	GF-U3.5	0.26	0.30	0.33	0.15	1.04	0.15	1,000/100
	#8	GF-U4	0.26	0.30	0.31	0.17	1.04	0.17	1,000/100
	#10	GF-U5	0.26	0.37	0.31	0.17	1.04	0.21	1,000/100
	1/4"	GF-U6	0.26	0.39	0.43	0.22	1.20	0.25	1,000/100
	5/16"	GF-U8	0.26	0.53	0.47	0.31	1.34	0.33	800/100
	3/8"	GF-U10	0.26	0.61	0.51	0.31	1.38	0.41	1,000/100
	3/8"	GF-U10/1	0.26	0.69	0.54	0.3	1.41	0.41	1,000/100
	1/2"	GF-U12	0.26	0.83	0.59	0.37	1.52	0.51	500/100
	9/16"	GF-U14	0.26	0.91	0.63	0.41	1.60	0.59	500/100
5/8"	GF-U16	0.26	1.02	0.67	0.45	1.68	0.67	500/100	

*Not UL approved *Made to order

RF-F BF-F GF-F



* Material: Polycarbonate type
PC10500AC certified EN45545-2

FEMALE DISCONNECT TERMINALS

for copper conductors

Recommended crimping tools are
shown on pages 162 to 199, 286.

Polycarbonate* insulated terminals
partially reinforced with copper sleeve

Cond. Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RF-F305	0.11x0.02	3,000/100
	RF-F308*	0.11x0.03	3,000/100
	RF-F405	0.19x0.02	2,500/100
	RF-F408	0.19x0.03	2,500/100
16 - 14 (1.5 - 2.5)	RF-F608	0.25x0.03	2,500/100
	BF-F405	0.19x0.02	2,500/100
	BF-F408	0.19x0.03	2,500/100
	BF-F608	0.25x0.03	1,500/100
12 - 10 (4 - 6)	GF-F608	0.25x0.03	1,000/100

Polycarbonate* fully insulated terminals
partially reinforced with copper sleeve

Cond. Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RF-F305P	0.11x0.02	2,000/100
	RF-F308P*	0.11x0.03	2,000/100
	RF-F405P	0.19x0.02	1,500/100
	RF-F408P	0.19x0.03	1,500/100
16 - 14 (1.5 - 2.5)	RF-F608P	0.25x0.03	1,000/100
	BF-F405P	0.19x0.02	1,500/100
	BF-F408P	0.19x0.03	1,500/100
	BF-F608P	0.25x0.03	1,000/100
12 - 10 (4 - 6)	GF-F608P	0.25x0.03	800/100



RF-M BF-M GF-M



* Material: Polycarbonate type
PC10500AC certified EN45545-2

MALE DISCONNECT TERMINALS

for copper conductors

Recommended crimping tools are
shown on pages 162 to 199, 286.

Polycarbonate* insulated terminals
partially reinforced with copper sleeve

Cond. Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RF-M608	0.25x0.03	3,000/100
16 - 14 (1.5 - 2.5)	BF-M608	0.25x0.03	2,000/100
12 - 10 (4 - 6)	GF-M608	0.25x0.03	1,000/100

Polycarbonate* fully insulated terminals
partially reinforced with copper sleeve

Cond. Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RF-M608P	0.25x0.03	1,000/100
16 - 14 (1.5 - 2.5)	BF-M608P	0.25x0.03	800/100



RF-FM BF-FM RF-B BF-B



* Material: Polycarbonate type
PC10500AC certified EN45545-2

MALE/FEMALE

for copper conductors

Recommended crimping tools are
shown on pages 162 to 199, 286.

Polycarbonate*
insulated terminals
partially reinforced with copper sleeve

Cond. Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RF-FM608	0.25x0.03	1,000/100
16 - 14 (1.5 - 2.5)	BF-FM608	0.25x0.03	1,000/100

BULLET AND SOCKET

for copper conductors

Polycarbonate*
insulated terminals
partially reinforced with copper sleeve

Cond. Size AWG (sqmm)	Type	Ø in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RF-BM4*	0.16	2,500/100
	RF-BF4*	0.16	800/100
16 - 14 (1.5 - 2.5)	BF-BM5*	0.20	2,000/100
	BF-BF5*	0.20	800/100



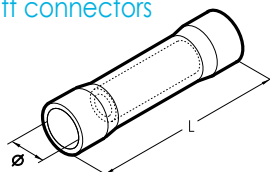
*Not UL approved

BUTT AND PARALLEL CONNECTORS

for copper conductors



butt connectors

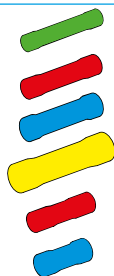


parallel connectors

Recommended crimping tools are shown on pages 162 to 199, 286.

PVC insulated

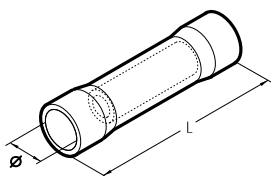
Cond. Size AWG (sqmm)	Type	Ø in.	L in.	Quantity Box/Bag
24 - 20 (0.2 - 0.5)	PL01-M*	0.12	0.98	3,000/100
22 - 16 (0.25 - 1.5)	PL03-M	0.16	0.98	1,000/100
16 - 14 (1.5 - 2.5)	PL06-M	0.20	0.98	1,500/100
12 - 10 (4 - 6)	PL1-M	0.26	1.26	500/100
22 - 16 (0.25 - 1.5)	PL03-P*	0.16	0.79	3,000/100
16 - 14 (1.5 - 2.5)	PL06-P*	0.20	0.63	2,000/100



BUTT CONNECTORS

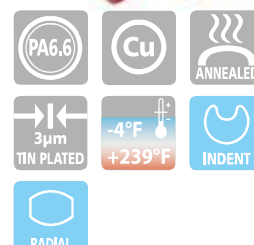
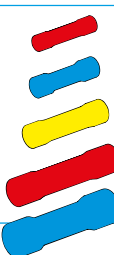
for copper conductors

Recommended crimping tools are shown on pages 162 to 199, 286.

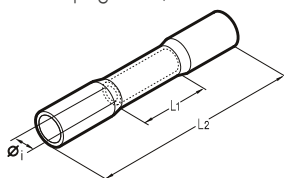


Polyamide PA6.6 insulated

Cond. Size AWG (sqmm)	Type	Ø in.	L in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	NL03-M	0.16	0.98	1,000/100
16 - 14 (1.5 - 2.5)	NL06-M	0.21	1.00	1,500/100
12 - 10 (4 - 6)	NL1-M	0.30	1.26	500/100
8 - 7 (10)	NL2-M	0.31	1.69	500/100
6 - 5 (16)	NL3-M	0.36	1.73	400/100



Recommended crimping tools are shown on pages 164, 174-175.



PE HD insulated, heat-shrinkable

Cond. Size AWG (sqmm)	Type	Ø in.	L1 in.	L2 in.	Quantity Box/Bag
20 - 16 (0.5 - 1.5)	WL03-M	0.07	0.59	1.42	1,500/100
16 - 14 (1.5 - 2.5)	WL06-M	0.09	0.59	1.42	1,000/100
12 - 10 (4 - 6)	WL1-M	0.14	0.59	1.61	500/100



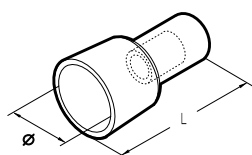
- Max operating voltage: 600 V
- Shrink temperature: 302 °F
- Protection: IP68



CLOSE END CONNECTORS

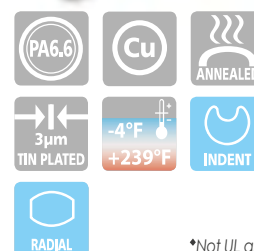
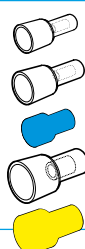
for copper conductors

Recommended crimping tools are shown on pages 162 to 199, 286.



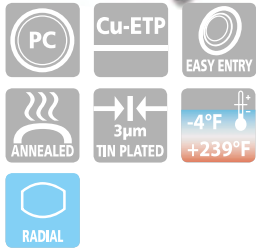
Polyamide PA6.6 insulated

Cond. Size AWG (sqmm)	Type	Ø in.	L in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	NL03-P	0.31	0.83	1,000/100
16 - 14 (1.5 - 2.5)	NL06-P	0.31	0.78	1,000/100
	NL06-PB	0.26	0.54	1,500/100
12 - 10 (4 - 6)	NL1-P	0.41	0.85	500/100
	NL1-PG	0.35	0.70	1,000/100



*Not UL approved

VP RP
BP GP



HALOGEN FREE INSULATED TERMINALS

P range funnel entry - for copper conductors

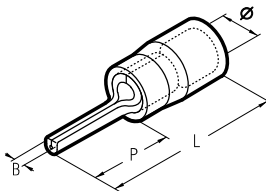
The "P" range of terminals has been designed, to meet the increasing demands for improved safety and reliability of electrical connectors. Electrical connectors are produced using electrolytic copper with a purity greater than 99.9%. The Polycarbonate insulation type PC10500AC certified EN45545-2, is a Halogen free, self extinguishing thermoplastic material class V0 (UL 94).

The unique funnel shaped entry of the insulation sleeve, guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection.

The operating temperature range is - 4 to + 239°F (Surge + 266°F). Recommended crimping tools are shown on pages 162 to 199, 286.

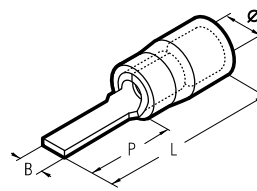


pin terminals



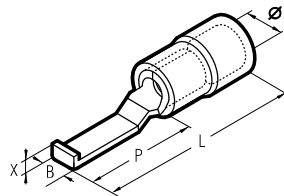
Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
 24 - 20 (0.2 - 0.5)	VP-P10	0.12	0.04	0.39	0.79	4,000/100
	RP-P8	0.16	0.06	0.31	0.70	3,000/100
 22 - 16 (0.25 - 1.5)	RP-P10	0.16	0.06	0.39	0.78	3,000/100
	RP-P12	0.16	0.06	0.47	0.87	3,000/100
 16 - 14 (1.5 - 2.5)	BP-P8	0.19	0.06	0.31	0.70	3,000/100
	BP-P10	0.19	0.06	0.39	0.78	3,000/100
 12 - 10 (4 - 6)	BP-P12	0.19	0.06	0.46	0.86	2,500/100
	GP-P10	0.26	0.09	0.41	0.96	1,000/100
	GP-P12	0.26	0.09	0.50	1.05	1,000/100
	GP-P14	0.26	0.09	0.57	1.13	1,000/100

blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
 24 - 20 (0.2 - 0.5)	VP-PP12/19	0.12	0.07	0.49	0.88	4,000/100
	RP-PP12	0.16	0.12	0.50	0.90	3,000/100
 22 - 16 (0.25 - 1.5)	RP-PP12/1	0.16	0.12	0.44	0.84	3,000/100
	RP-PP12/19	0.16	0.07	0.52	0.92	3,000/100
	RP-PP12/23	0.16	0.09	0.52	0.92	2,500/100
	RP-PP14	0.16	0.12	0.58	0.98	2,500/100
	RP-PP16/23	0.16	0.09	0.68	1.07	2,500/100
	BP-PP12	0.19	0.14	0.50	0.90	2,500/100
 16 - 14 (1.5 - 2.5)	BP-PP12/25	0.19	0.10	0.52	0.92	2,000/100
	BP-PP12/29	0.19	0.11	0.52	0.92	2,500/100
	BP-PP16/25	0.19	0.10	0.68	1.07	2,500/100
 12 - 10 (4 - 6)	GP-PP12	0.26	0.16	0.52	1.08	1,000/100
	GP-PP17	0.26	0.11	0.75	1.31	1,000/100

hooked blade terminals



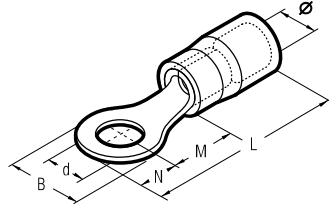
Conductor Size AWG (sqmm)	Type	Dimensions in.					Quantity Box/Bag
		Ø	B	P	L	X	
 22 - 16 (0.25 - 1.5)	RP-PPL30	0.15	0.12	0.69	1.11	0.07	3,000/100
	RP-PPL46	0.15	0.18	0.69	1.11	0.07	3,000/100
 16 - 14 (1.5 - 2.5)	BP-PPL30	0.19	0.12	0.69	1.11	0.07	2,500/100
	BP-PPL46	0.19	0.18	0.69	1.13	0.07	2,500/100
 12 - 10 (4 - 6)	GP-PPL46	0.26	0.18	0.69	1.28	0.07	1,000/100

HALOGEN FREE INSULATED TERMINALS

P range funnel entry - for copper conductors

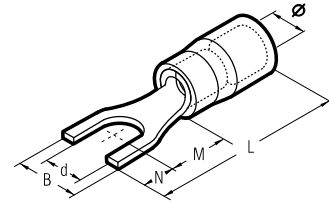
VP RP
BP GP

ring terminals



Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Ø	B	M	N	L	d	
 24 - 20 (0.2 - 0.5)		#3 VP-M2*	0.12	0.22	0.18	0.11	0.69	0.09	4,000/100
		#4 VP-M3	0.12	0.22	0.18	0.11	0.69	0.13	4,000/100
		#6 VP-M3.5	0.12	0.22	0.18	0.11	0.69	0.15	4,000/100
		#8 VP-M4	0.12	0.28	0.26	0.14	0.80	0.17	4,000/100
		#10 VP-M5	0.12	0.31	0.28	0.15	0.83	0.21	4,000/100
 22 - 16 (0.25 - 1.5)		1/4" VP-M6*	0.12	0.37	0.32	0.19	0.91	0.25	4,000/100
		#3 RP-M2*	0.16	0.22	0.18	0.11	0.69	0.09	3,000/100
		#4 RP-M3	0.16	0.22	0.18	0.11	0.69	0.13	3,000/100
		#6 RP-M3.5	0.16	0.22	0.18	0.11	0.69	0.15	3,000/100
		#6 RP-M3.5/1	0.16	0.24	0.28	0.12	0.80	0.15	3,000/100
		#8 RP-M4	0.16	0.28	0.26	0.14	0.79	0.17	3,000/100
		#8 RP-M4/3	0.16	0.31	0.28	0.15	0.83	0.17	3,000/100
		#10 RP-M5	0.16	0.31	0.28	0.15	0.83	0.21	2,500/100
		1/4" RP-M6	0.16	0.37	0.32	0.19	0.90	0.25	2,500/100
		1/4" RP-M6/1	0.16	0.47	0.41	0.24	1.04	0.25	2,000/100
		17/64" RP-M7	0.16	0.37	0.32	0.19	0.90	0.28	2,500/100
		5/16" RP-M8	0.16	0.47	0.41	0.24	1.04	0.33	2,500/100
 16 - 14 (1.5 - 2.5)		3/8" RP-M10	0.16	0.61	0.51	0.30	1.22	0.41	1,500/100
		1/2" RP-M12	0.16	0.71	0.61	0.35	1.36	0.51	1,500/100
		#3 BP-M2*	0.19	0.22	0.20	0.11	0.70	0.09	2,500/100
		#4 BP-M3	0.19	0.22	0.20	0.11	0.70	0.13	2,500/100
		#6 BP-M3.5	0.19	0.22	0.20	0.11	0.70	0.15	3,000/100
		#6 BP-M3.5/1	0.19	0.24	0.26	0.12	0.78	0.15	2,500/100
		#8 BP-M4	0.19	0.31	0.26	0.16	0.81	0.17	2,500/100
		#10 BP-M5	0.19	0.31	0.30	0.16	0.85	0.21	2,000/100
		1/4" BP-M6	0.19	0.37	0.34	0.19	0.92	0.25	2,000/100
		1/4" BP-M6/1	0.19	0.47	0.24	1.04	0.25	0.25	2,000/100
		1/4" BP-M6/2*	0.19	0.33	0.21	0.17	0.78	0.25	2,500/100
		17/64" BP-M7	0.19	0.39	0.31	0.20	0.90	0.28	2,500/100
 12 - 10 (4 - 6)		5/16" BP-M8	0.19	0.47	0.41	0.24	1.04	0.33	1,500/100
		3/8" BP-M10	0.19	0.61	0.51	0.30	1.22	0.41	1,500/100
		1/2" BP-M12	0.19	0.71	0.61	0.35	1.36	0.51	1,000/100
		#4 GP-M3	0.26	0.31	0.32	0.16	1.03	0.13	1,000/100
		#6 GP-M3.5	0.26	0.31	0.32	0.16	1.03	0.15	1,500/100
		#8 GP-M4	0.26	0.35	0.32	0.18	1.05	0.17	1,000/100
		#10 GP-M5	0.26	0.35	0.32	0.18	1.05	0.21	1,000/100
		1/4" GP-M6	0.26	0.43	0.44	0.22	1.21	0.25	1,000/100
		1/4" GP-M6/1	0.26	0.43	0.32	0.22	1.09	0.25	1,000/100
		17/64" GP-M7	0.26	0.43	0.44	0.22	1.21	0.28	1,000/100
		5/16" GP-M8	0.26	0.54	0.48	0.27	1.30	0.33	800/100
		5/16" GP-M8/1*	0.26	0.43	0.32	0.22	1.09	0.33	1,000/100
		3/8" GP-M10	0.26	0.54	0.48	0.27	1.30	0.41	1,000/100
		3/8" GP-M10/1	0.26	0.61	0.54	0.30	1.41	0.41	1,000/100
		1/2" GP-M12	0.26	0.75	0.59	0.37	1.52	0.51	500/100
		9/16" GP-M14	0.26	0.83	0.63	0.41	1.60	0.59	500/100
		5/8" GP-M16	0.26	0.94	0.67	0.47	1.70	0.67	500/100

fork/spade terminals



Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Ø	B	M	N	L	d	
 24 - 20 (0.2 - 0.5)		#4 VP-U3	0.12	0.22	0.22	0.16	0.74	0.13	4,000/100
		#6 VP-U3.5	0.12	0.24	0.26	0.15	0.77	0.15	4,000/100
		#8 VP-U4	0.12	0.26	0.30	0.15	0.80	0.17	4,000/100
		#10 VP-U4	0.12	0.26	0.30	0.15	0.80	0.17	4,000/100
 22 - 16 (0.25 - 1.5)		#4 RP-U3	0.16	0.22	0.22	0.16	0.77	0.13	3,000/100
		#6 RP-U3.5	0.16	0.24	0.26	0.15	0.80	0.15	3,000/100
		#6 RP-U3.5/2	0.16	0.25	0.26	0.15	0.80	0.15	3,000/100
		#8 RP-U4	0.16	0.26	0.30	0.15	0.84	0.17	3,000/100
		#8 RP-U4/1	0.16	0.33	0.30	0.15	0.84	0.17	3,000/100
		#8 RP-U4/2	0.16	0.30	0.30	0.15	0.84	0.17	3,500/100
		#10 RP-U5	0.16	0.33	0.30	0.15	0.84	0.21	3,000/100
		#10 RP-U5/1*	0.16	0.37	0.30	0.15	0.84	0.21	3,000/100
		1/4" RP-U6	0.16	0.37	0.32	0.19	0.90	0.25	2,000/100
		1/4" RP-U6/1	0.16	0.47	0.36	0.28	1.04	0.25	2,000/100
		5/16" RP-U8	0.16	0.55	0.39	0.25	1.04	0.33	2,000/100
		3/8" RP-U10	0.16	0.69	0.51	0.30	1.22	0.41	1,500/100
 16 - 14 (1.5 - 2.5)		1/2" RP-U12	0.16	0.79	0.61	0.35	1.36	0.51	1,500/100
		#4 BP-U3	0.19	0.22	0.22	0.16	0.77	0.13	2,500/100
		#6 BP-U3.5	0.19	0.25	0.26	0.25	0.80	0.15	2,500/100
		#6 BP-U3.5/1*	0.19	0.28	0.26	0.15	0.80	0.15	2,500/100
		#8 BP-U4	0.19	0.26	0.30	0.15	0.84	0.17	2,500/100
		#8 BP-U4/1	0.19	0.33	0.30	0.15	0.84	0.17	3,000/100
		#8 BP-U4/2	0.19	0.30	0.30	0.15	0.84	0.17	2,000/100
		#10 BP-U5	0.19	0.33	0.30	0.15	0.84	0.21	2,000/100
		1/4" BP-U6	0.19	0.37	0.32	0.19	0.90	0.25	2,000/100
		1/4" BP-U6/1	0.19	0.47	0.36	0.28	1.04	0.25	2,000/100
		5/16" BP-U8	0.19	0.55	0.39	0.25	1.04	0.33	1,500/100
		3/8" BP-U10	0.19	0.69	0.51	0.30	1.22	0.41	1,000/100
 12 - 10 (4 - 6)		1/2" BP-U12	0.19	0.79	0.61	0.35	1.36	0.51	1,500/100
		#6 GP-U3.5	0.26	0.30	0.33	0.15	1.04	0.15	1,000/100
		#8 GP-U4	0.26	0.30	0.31	0.17	1.04	0.17	1,000/100
		#10 GP-U5	0.26	0.37	0.31	0.17	1.04	0.21	1,000/100
		1/4" GP-U6	0.26	0.39	0.43	0.22	1.20	0.25	1,000/100
		5/16" GP-U8	0.26	0.53	0.47	0.31	1.34	0.33	1,000/100
		3/8" GP-U10	0.26	0.61	0.51	0.31	1.38	0.41	1,000/100
		3/8" GP-U10/1	0.26	0.69	0.54	0.30	1.41	0.41	1,000/100
		1/2" GP-U12	0.26	0.83	0.59	0.37	1.52	0.51	500/100
		9/16" GP-U14	0.26	0.91	0.63	0.41	1.60	0.59	500/100
		5/8" GP-U16	0.26	1.02	0.67	0.45	1.68	0.67	500/100

*Made to order

CRP CBP CGP

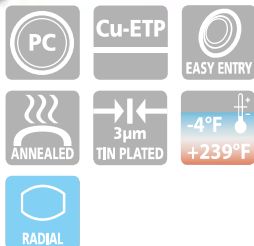
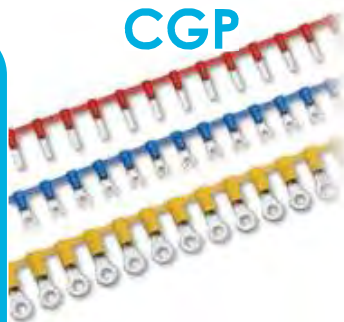
INSULATED CHAIN TERMINALS

CP range with easy entry - for copper conductors

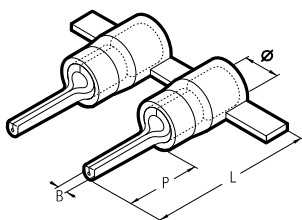
The "CP" range of terminals has been designed to meet the increasing demands for improved safety and reliability of electrical connectors. Electrical connectors are produced using electrolytic copper with a purity greater than 99.9%.

Developed for use with production equipment, to give a quick and reliable crimped joint, the Polycarbonate insulation type PC10500AC certified EN45545-2, is a Halogen free, self extinguishing thermoplastic material class V0 (UL 94).

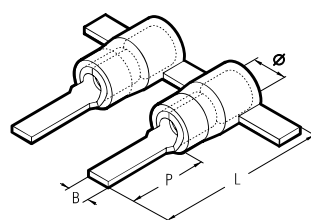
The insulation sleeve guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection. The operating temperature range is -4 to +239°F (Surge +266°F).



pin terminals



blade terminals



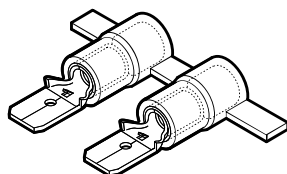
Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity
		Ø	B	P	L	
22 - 16 (0.25 - 1.5)	CRP-P8	0.16	0.06	0.31	0.70	2,000
	CRP-P10	0.16	0.06	0.39	0.78	2,000
	CRP-P12	0.16	0.06	0.47	0.87	2,000
16 - 14 (1.5 - 2.5)	CBP-P8	0.19	0.06	0.31	0.70	1,750
	CBP-P10	0.19	0.06	0.39	0.78	1,750
	CBP-P12	0.19	0.06	0.47	0.86	1,750
12 - 10 (4 - 6)	CGP-P10	0.26	0.09	0.39	0.96	1,250
	CGP-P12	0.26	0.09	0.47	1.05	1,250
	CGP-P14	0.26	0.09	0.55	1.13	1,250

Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity
		Ø	B	P	L	
22 - 16 (0.25 - 1.5)	CRP-PP12	0.16	0.12	0.50	0.90	2,000
	CRP-PP12/1*	0.16	0.12	0.44	0.84	2,000
	CRP-PP12/23*	0.16	0.09	0.52	0.92	2,000
	CRP-PP14	0.16	0.12	0.58	0.98	2,000
16 - 14 (1.5 - 2.5)	CBP-PP12	0.19	0.14	0.50	0.90	1,750
	CBP-PP12/25*	0.19	0.10	0.52	0.92	1,750
12 - 10 (4 - 6)	CGP-PP12	0.26	0.16	0.52	1.08	1,250
	CGP-PP17*	0.26	0.11	0.75	1.31	1,250

male disconnect terminals



Brass

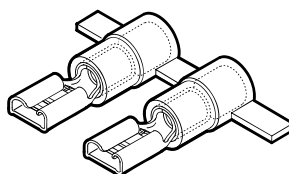


Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity
22 - 16 (0.25 - 1.5)	CRP-M608	0.25 x 0.03	2,000
	CBP-M608	0.25 x 0.03	1,750
12 - 10 (4 - 6)	CGP-M608	0.25 x 0.03	1,250

female disconnect terminals



Brass

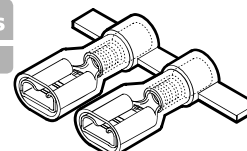


Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity
22 - 16 (0.25 - 1.5)	CRP-F305	0.11 x 0.02	2,000
	CRP-F308	0.11 x 0.03	2,000
	CRP-F405	0.19 x 0.02	2,000
	CRP-F408	0.19 x 0.03	2,000
	CRP-F608	0.25 x 0.03	2,000
16 - 14 (1.5 - 2.5)	CBP-F405	0.19 x 0.02	1,750
	CBP-F408	0.19 x 0.03	1,750
	CBP-F608	0.25 x 0.03	1,750
12 - 10 (4 - 6)	CGP-F608	0.25 x 0.03	1,250

female disconnect terminals fully insulated



Brass



Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity
22 - 16 (0.25 - 1.5)	CRP-F405P	0.19 x 0.02	2,000
	CRP-F408P	0.19 x 0.03	2,000
	CRP-F608P	0.25 x 0.03	1,500
16 - 14 (1.5 - 2.5)	CBP-F408P	0.19 x 0.03	1,500
	CBP-F608P	0.25 x 0.03	1,500
12 - 10 (4 - 6)	CGP-F608P	0.25 x 0.03	1,250

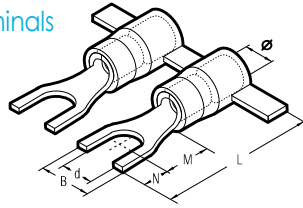
*Made to order

INSULATED CHAIN TERMINALS

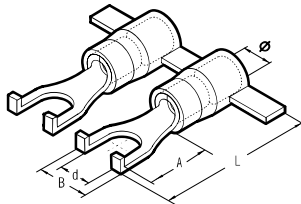
CP range with easy entry - for copper conductors

CRP CBP
CGP

fork/spade terminals

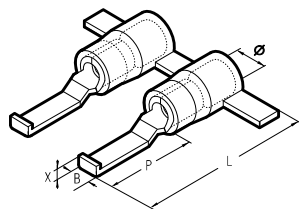


Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity
			Ø	B	M	N	L	d	
22 - 16 (0.25 - 1.5)	#4	CRP-U3	0.16	0.22	0.22	0.16	0.77	0.13	2,000
	#6	CRP-U3.5	0.16	0.24	0.26	0.15	0.80	0.15	2,000
	#6	CRP-U3.5/2*	0.16	0.25	0.26	0.15	0.80	0.15	2,000
	#8	CRP-U4	0.16	0.26	0.30	0.15	0.84	0.17	2,000
	#8	CRP-U4/1*	0.16	0.33	0.30	0.15	0.84	0.17	2,000
	#8	CRP-U4/2*	0.16	0.30	0.30	0.15	0.84	0.17	2,000
	#10	CRP-U5	0.16	0.33	0.30	0.15	0.84	0.21	2,000
	1/4"	CRP-U6	0.16	0.37	0.32	0.19	0.90	0.25	2,000
	1/4"	CRP-U6/1*	0.16	0.47	0.36	0.28	1.04	0.25	2,000
	5/16"	CRP-U8*	0.16	0.55	0.39	0.25	1.04	0.33	2,000
16 - 14 (1.5 - 2.5)	#4	CBP-U3	0.19	0.22	0.22	0.16	0.77	0.13	1,750
	#6	CBP-U3.5	0.19	0.25	0.26	0.15	0.80	0.15	1,750
	#8	CBP-U4	0.19	0.26	0.30	0.15	0.84	0.17	1,750
	#8	CBP-U4/1*	0.19	0.33	0.30	0.15	0.84	0.17	1,750
	#8	CBP-U4/2*	0.19	0.30	0.30	0.15	0.84	0.17	1,750
	#10	CBP-U5	0.19	0.33	0.30	0.15	0.84	0.21	1,750
12 - 10 (4 - 6)	#6	CGP-U3.5*	0.26	0.30	0.33	0.15	1.04	0.15	1,250
	#8	CGP-U4*	0.26	0.30	0.31	0.17	1.04	0.17	1,250
	#10	CGP-U5	0.26	0.37	0.31	0.17	1.04	0.21	1,250
	1/4"	CGP-U6	0.26	0.39	0.43	0.22	1.20	0.25	1,250



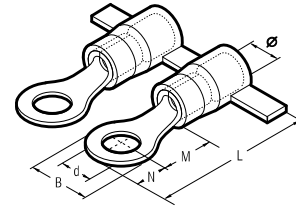
Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.					Quantity
			Ø	B	A	L	d	
16 - 14 (1.5 - 2.5)	#8	CBP-U 4/3L*	0.19	0.26	0.37	0.57	0.17	1,750

hooked blade terminals



Cond. Size AWG (sqmm)	Type	Dimensions in.					Quantity
		Ø	B	P	L	X	
22 - 16 (0.25 - 1.5)	CRP-PPL30*	0.16	0.12	0.69	1.13	0.07	2,000
16 - 14 (1.5 - 2.5)	CBP-PPL30*	0.19	0.12	0.69	1.13	0.07	1,750

ring terminals



Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity
			Ø	B	M	N	L	d	
22 - 16 (0.25 - 1.5)	#4	CRP-M 3	0.16	0.22	0.18	0.11	0.69	0.13	2,000
	#6	CRP-M 3.5*	0.16	0.22	0.18	0.11	0.69	0.15	2,000
	#6	CRP-M 3.5/1	0.16	0.24	0.28	0.12	0.80	0.15	2,000
	#8	CRP-M 4	0.16	0.28	0.26	0.14	0.79	0.17	2,000
	#8	CRP-M 4/3*	0.16	0.31	0.28	0.15	0.83	0.17	2,000
	#10	CRP-M 5	0.16	0.31	0.28	0.15	0.83	0.21	2,000
	1/4"	CRP-M 6	0.16	0.37	0.32	0.19	0.90	0.25	2,000
	1/4"	CRP-M 6/1*	0.16	0.47	0.41	0.24	1.04	0.25	2,000
	17/64"	CRP-M 7	0.16	0.37	0.32	0.19	0.90	0.28	2,000
	5/16"	CRP-M 8	0.16	0.47	0.41	0.24	1.04	0.33	2,000
16 - 14 (1.5 - 2.5)	#4	CBP-M 3	0.19	0.22	0.20	0.11	0.70	0.13	1,750
	#6	CBP-M 3.5	0.19	0.22	0.20	0.11	0.70	0.15	1,750
	#6	CBP-M 3.5/1*	0.19	0.24	0.26	0.12	0.77	0.15	1,750
	#8	CBP-M 4	0.19	0.31	0.26	0.16	0.81	0.17	1,750
	#10	CBP-M 5	0.19	0.31	0.30	0.16	0.85	0.21	1,750
	1/4"	CBP-M 6	0.19	0.37	0.34	0.19	0.92	0.25	1,750
	1/4"	CBP-M 6/1*	0.19	0.47	0.41	0.24	1.04	0.25	1,750
	17/64"	CBP-M 7	0.19	0.39	0.31	0.20	0.90	0.28	1,750
	5/16"	CBP-M 8	0.19	0.47	0.41	0.24	1.04	0.33	1,750
	#4	CGP-M 3	0.26	0.31	0.32	0.16	1.03	0.13	1,250
12 - 10 (4 - 6)	#6	CGP-M 3.5	0.26	0.31	0.32	0.16	1.03	0.15	1,250
	#8	CGP-M 4	0.26	0.35	0.32	0.18	1.05	0.17	1,250
	#10	CGP-M 5	0.26	0.35	0.32	0.18	1.05	0.21	1,250
	1/4"	CGP-M 6	0.26	0.43	0.44	0.22	1.21	0.25	1,250
	1/4"	CGP-M 6/1*	0.26	0.43	0.32	0.22	1.09	0.25	1,250
	17/64"	CGP-M 7	0.26	0.30	0.44	0.22	1.21	0.28	1,000
	5/16"	CGP-M 8	0.26	0.54	0.48	0.27	1.30	0.33	1,250
	5/16"	CGP-M 8/1*	0.26	0.43	0.32	0.22	1.09	0.33	1,250
	3/8"	CGP-M10	0.26	0.54	0.48	0.27	1.30	0.41	1,250



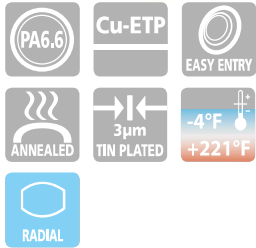
Interchangeable application heads are available for crimping these terminals with the bench press ELB-3 (see page 202).

*Not UL approved *Made to order

RKY BKY GKY

REINFORCED PA 6.6 INSULATED TERMINALS

KY range - for copper conductors

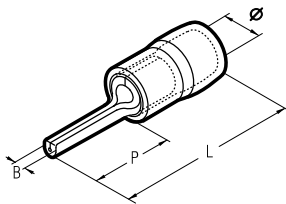


'KY' type terminals are designed to offer improved mechanical and electrical integrity under heavy-duty application. This is achieved via a Copper sleeve located between the Copper barrel and Polyamide insulation (type PA10180 certified EN45545-2) of the terminal. Then, during crimping, the insulation of the conductor is integrated into the crimp due to the Copper sleeve being deformed around it to maintain the level of 'grip' required in applications subject to continuous mechanical vibrations (e.g: mobile plant, vehicles, moving components).

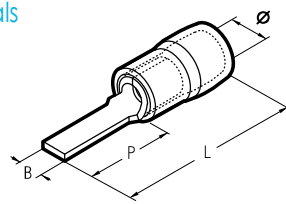
Electrical connectors are produced using electrolytic Copper with a purity greater than 99.9% . The operating temperature range is - 4 to + 221°F (Surge + 230°F). Recommended crimping tools are shown on pages 162 to 199, 286.



pin terminals



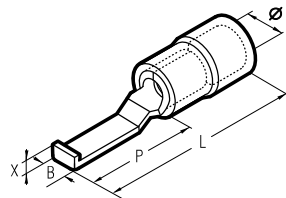
blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
 22 - 16 (0.25 - 1.5)	RKY-P8	0.18	0.07	0.35	0.78	3,000/100
	RKY-P10	0.18	0.07	0.39	0.82	3,500/100
	RKY-P12	0.18	0.07	0.47	0.90	3,000/100
 16 - 14 (1.5 - 2.5)	BKY-P8	0.20	0.07	0.39	0.82	3,000/100
	BKY-P10	0.20	0.07	0.35	0.78	3,000/100
	BKY-P12	0.20	0.07	0.47	0.90	3,000/100
 12 - 10 (4 - 6)	GKY-P14	0.28	0.11	0.55	1.06	1,000/100

Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Ø	B	P	L	
 22 - 16 (0.25 - 1.5)	RKY-PP12	0.18	0.12	0.51	0.94	3,000/100
	RKY-PP12/19	0.18	0.09	0.71	1.13	3,000/100
	RKY-PP16/23	0.18	0.08	0.71	1.13	2,500/100
 16 - 14 (1.5 - 2.5)	BKY-PP12	0.20	0.12	0.51	0.94	2,500/100
	BKY-PP12/25	0.20	0.09	0.51	0.94	2,000/100
	BKY-PP16/23	0.20	0.09	0.71	1.13	2,500/100
 12 - 10 (4 - 6)	GKY-PP12	0.28	0.16	0.55	1.06	1,000/100
	GKY-PP17	0.28	0.08	0.71	1.22	1,000/100

hooked blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.					Quantity Box/Bag
		Ø	B	P	L	X	
 22 - 16 (0.25 - 1.5)	RKY-PPL30	0.18	0.12	0.66	1.11	0.08	3,000/100
	RKY-PPL46	0.18	0.18	0.66	1.11	0.08	3,000/100
 16 - 14 (1.5 - 2.5)	BKY-PPL30	0.20	0.12	0.66	1.11	0.08	2,500/100
	BKY-PPL46	0.20	0.18	0.66	1.11	0.08	2,500/100
 12 - 10 (4 - 6)	GKY-PPL46	0.28	0.18	0.68	1.19	0.09	1,000/100

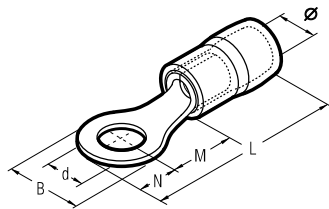
Consult CEMBRE for a wider range of pin and blade dimensions.

REINFORCED PA 6.6 INSULATED TERMINALS

KY range - for copper conductors

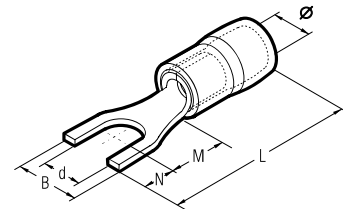
RKY BKY
GKY

ring terminals



Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Ø	B	M	N	L	d	
 22 - 16 (0.25 - 1.5)		#4 RKY-M3	0.18	0.22	0.20	0.10	0.73	0.13	3,000/100
		#6 RKY-M3.5	0.18	0.22	0.20	0.10	0.73	0.15	3,000/100
		#6 RKY-M3.5/1	0.18	0.26	0.25	0.12	0.80	0.15	3,000/100
		#8 RKY-M4	0.18	0.26	0.25	0.12	0.80	0.17	3,000/100
		#10 RKY-M5	0.18	0.31	0.28	0.15	0.86	0.21	2,500/100
		1/4" RKY-M6/1	0.18	0.46	0.43	0.23	1.09	0.25	2,000/100
		5/16" RKY-M8	0.18	0.46	0.43	0.23	1.09	0.33	2,500/100
		3/8" RKY-M10	0.18	0.54	0.55	0.26	1.24	0.41	1,500/100
 16 - 14 (1.5 - 2.5)		1/2" RKY-M12	0.18	0.77	0.63	0.37	1.43	0.51	1,500/100
		#4 BKY-M3	0.20	0.26	0.19	0.12	0.74	0.13	2,500/100
		#6 BKY-M3.5	0.20	0.26	0.19	0.12	0.74	0.15	2,500/100
		#6 BKY-M3.5/1	0.20	0.26	0.25	0.12	0.80	0.15	2,500/100
		#8 BKY-M4	0.20	0.33	0.31	0.16	0.90	0.17	2,500/100
		#10 BKY-M5	0.20	0.33	0.31	0.16	0.90	0.21	2,500/100
		1/4" BKY-M6/1	0.20	0.47	0.43	0.23	1.09	0.25	2,000/100
		5/16" BKY-M8	0.20	0.47	0.43	0.23	1.09	0.33	1,500/100
 12 - 10 (4 - 6)		3/8" BKY-M10	0.20	0.54	0.55	0.26	1.24	0.41	1,500/100
		1/2" BKY-M12	0.20	0.76	0.63	0.37	1.43	0.51	1,000/100
		#6 GKY-M3.5	0.28	0.28	0.24	0.14	0.89	0.15	1,000/100
		#8 GKY-M4	0.28	0.37	0.36	0.18	1.05	0.17	1,000/100
		#10 GKY-M5	0.28	0.37	0.36	0.18	1.05	0.21	1,000/100
		1/4" GKY-M6	0.28	0.47	0.41	0.24	1.16	0.25	1,000/100
		5/16" GKY-M8	0.28	0.59	0.53	0.30	1.34	0.33	1,000/100
		3/8" GKY-M10	0.28	0.59	0.53	0.30	1.34	0.41	1,000/100
		1/2" GKY-M12	0.28	0.76	0.63	0.38	1.52	0.51	1,000/100
		9/16" GKY-M14	0.28	1.26	0.99	0.63	2.13	0.59	500/100
		5/8" GKY-M16	0.28	1.26	0.99	0.63	2.13	0.67	500/100

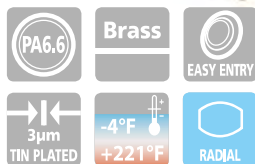
fork/spade terminals



Cond. Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Ø	B	M	N	L	d	
 22 - 16 (0.25 - 1.5)		#4 RKY-U3	0.18	0.22	0.26	0.18	0.87	0.13	2,500/100
		#6 RKY-U3.5	0.18	0.22	0.26	0.18	0.87	0.15	2,500/100
		#8 RKY-U4	0.18	0.25	0.26	0.18	0.87	0.17	3,000/100
		#10 RKY-U5	0.18	0.32	0.26	0.18	0.87	0.21	3,000/100
		1/4" RKY-U6	0.18	0.37	0.26	0.18	0.87	0.25	2,000/100
		1/4" RKY-U6/1	0.18	0.47	0.43	0.24	1.10	0.25	2,000/100
		#4 BKY-U3	0.20	0.22	0.26	0.18	0.87	0.13	2,500/100
		#6 BKY-U3.5	0.20	0.24	0.26	0.18	0.87	0.15	2,500/100
 16 - 14 (1.5 - 2.5)		#8 BKY-U4	0.20	0.25	0.26	0.18	0.87	0.17	2,500/100
		#10 BKY-U5	0.20	0.31	0.26	0.18	0.87	0.21	2,000/100
		1/4" BKY-U6	0.20	0.37	0.26	0.18	0.87	0.25	2,000/100
		1/4" BKY-U6/1	0.20	0.47	0.43	0.24	1.10	0.25	2,000/100
		#6 GKY-U3.5	0.28	0.28	0.30	0.15	0.96	0.15	1,000/100
		#8 GKY-U4	0.28	0.28	0.30	0.15	0.96	0.17	1,000/100
		#10 GKY-U5	0.28	0.35	0.28	0.22	1.00	0.21	1,000/100
		1/4" GKY-U6	0.28	0.47	0.47	0.26	1.24	0.25	1,000/100
 12 - 10 (4 - 6)		5/16" GKY-U8	0.28	0.55	0.41	0.28	1.20	0.33	1,000/100

Consult CEMBRE for a wider range of pin and blade dimensions.

RKF-F BKF-F GK-F



Recommended crimping tools are shown on pages 162 to 199, 286.

REINFORCED DISCONNECT TERMINALS

for copper conductors

HF
HALOGEN
FREE

female connectors, fully reinforced with copper sleeve

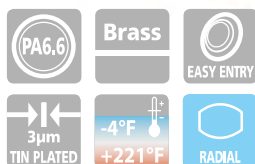
PA6.6 insulated terminals

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RKF-F305	0.11 x 0.02	3,000/100
	RKF-F308	0.11 x 0.03	3,000/100
	RKF-F405	0.19 x 0.02	2,500/100
	RKF-F408	0.19 x 0.03	2,500/100
16 - 14 (1.5 - 2.5)	RKF-F608	0.25 x 0.03	2,500/100
	BKF-F405	0.19 x 0.02	2,500/100
	BKF-F408	0.19 x 0.03	2,500/100
	BKF-F608	0.25 x 0.03	2,000/100
12 - 10 (4 - 6)	GK-F608	0.25 x 0.03	1,500/100

PA6.6 fully insulated terminals

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RKF-F405P	0.19 x 0.02	1,500/100
	RKF-F408P	0.19 x 0.03	2,000/100
	RKF-F608P	0.25 x 0.03	1,000/100
	BKF-F405P	0.19 x 0.02	1,500/100
16 - 14 (1.5 - 2.5)	BKF-F408P	0.19 x 0.03	2,000/100
	BKF-F608P	0.25 x 0.03	1,000/100
	GK-F608P	0.25 x 0.03	1,000/100

RKF BKF GKF



Recommended crimping tools are shown on pages 162 to 199, 286.

REINFORCED DISCONNECT TERMINALS

for copper conductors

HF
HALOGEN
FREE

male connectors, fully reinforced with copper sleeve - PA6.6 insulated terminals

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RKF-M608	0.25 x 0.03	3,000/100
16 - 14 (1.5 - 2.5)	BKF-M608	0.25 x 0.03	2,500/100
12 - 10 (4 - 6)	GKF-M608	0.25 x 0.03	1,000/100

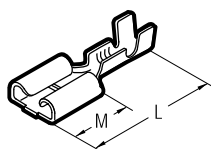
male/female connectors,
fully reinforced with copper sleeve
PA6.6 insulated terminals

Conductor Size AWG (sqmm)	Type	Tab Size in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RKF-FM608	0.25 x 0.03	1,500/100
16 - 14 (1.5 - 2.5)	BKF-FM608	0.25 x 0.03	1,500/100

bullet and socket connectors
fully reinforced with copper sleeve
PA6.6 insulated terminals

Conductor Size AWG (sqmm)	Type	Ø in.	Quantity Box/Bag
22 - 16 (0.25 - 1.5)	RKF-BM4	0.16	2,500/100
	RKF-BF4	0.15	1,000/100
16 - 14 (1.5 - 2.5)	BKF-BM4	0.16	2,000/100
	BKF-BF4	0.15	800/100

RN-FA BN-FA



FEMALE CONNECTORS

for copper conductors

Conductor Size AWG (sqmm)	Type	Tab Size in.	M in.	L in.	Quantity Box/Bag
20 - 17 (0.5 - 1)	RN-FA305	0.11 x 0.02	0.25	0.59	6,000/100
	RN-FA405	0.19 x 0.02	0.25	0.59	5,000/100
	RN-FA608	0.26 x 0.03	0.30	0.75	3,000/100
17 - 14 (1 - 2.5)	BN-FA608	0.25 x 0.03	0.30	0.75	2,000/100
	BN-FAB608*	0.25 x 0.03	0.30	0.61	2,000/100
	BN-FAR608**	0.25 x 0.03	0.30	0.75	3,000/100

Recommended crimping tools are shown on pages 162 to 199, 286.

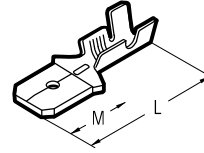
*flag type **with retainer

MALE CONNECTORS

open barrel - for copper conductors

Conductor Size AWG (sqmm)	Type	Tab Size in.	M in.	L in.	Quantity Box/Bag
0.5 - 1 (20 - 17)	RN-MA305	0.11 x 0.02	0.23	0.51	6,000/100
	RN-MA405	0.19 x 0.02	0.25	0.68	5,000/100
	RN-MA608	0.25 x 0.03	0.31	0.78	4,000/100
1 - 2.5 (17 - 14)	BN-MA608	0.25 x 0.03	0.31	0.79	4,000/100

Recommended crimping tools are shown on page 168.



RN-MA
BN-MA

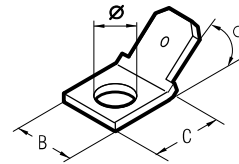


MALE TABS

for board mounting - for copper conductors

Type	Tab Size in.	Ø Stud in.	B in.	C in.	α	Quantity Box/Bag
MP608	0.25 x 0.03	0.16	0.31	0.43	0°	5,000/100
MP608/45	0.25 x 0.03	0.16	0.31	0.33	45°	6,000/100
MP608/90	0.25 x 0.03	0.16	0.31	0.33	90°	5,000/100
MP608D*	0.25 x 0.03	0.19	0.31	0.55	0°	5,000/100

*double tab

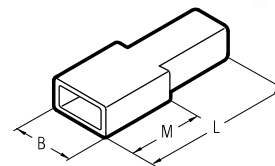


MP
MPD



CONNECTOR SLEEVES

Type	Connector	B in.	M in.	L in.	Material	Quantity Box/Bag
CFA300	Female 2.8	0.22	0.28	0.71	Polyethylene	3,000/100
CFA400*	Female 4.8	0.30	0.35	0.79	Polyethylene	2,000/100
CFA600*	Female 6.3	0.35	0.43	0.94	Polyethylene	1,000/100
CFA2-600**	Female 6.3	0.35	0.35	0.87	Polyethylene	1,000/100
CFAR600	Female 6.3 with retainer	0.35	0.47	0.98	Polyamide 6.6	500/100
CFAB600	Female 6.3 flag	0.39	-	0.71	Polyamide 6.6	500/50
CMA600*	Male 6.3	0.47	0.43	0.87	Polyethylene	500/100



CFA
CMA



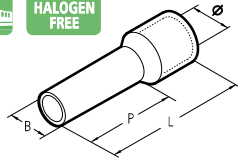
*For a single cable.
Colors available:
Transparent: no suffix
Red: add suffix R
Black: add suffix N

**For twin cables.
Colors available:
Transparent: no suffix
Red: add suffix R
Black: add suffix N
Green: add suffix V
Blue: add suffix B
Yellow: add suffix G

PKD

PA6 INSULATED END SLEEVES

for flexible copper conductors



VALSTAR-N3

Comprising:

- a selection of end sleeves PKD conductor size 17 - 10 AWG
- Cable ties type G100X2.5
- Tool type ZKE610N

VALSTAR-N2

Comprising:

- a selection of end sleeves PKD conductor size 17 - 10 AWG
- Cable ties type G100X2.5
- Tool type ZKE610N

VALSTAR-N1

Comprising:

- a selection of end sleeves PKC conductor size 17 - 10 AWG
- Cable ties type G100X2.5
- Tool type ZKE610N

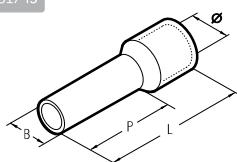
The PK.. range of end sleeves is manufactured from tin plated electrolytic copper with a purity greater than 99.9%. The PA6 insulation type PA10080 is certified EN45545-2. Designed and developed to reinforce fine wire strands when terminating a cable into a connector block. The PKD series of insulated end sleeves comply with specification DIN 46228/4. The operating temperature range is - 4 to + 239°F (Surge + 266°F). Recommended crimping tools are shown on pages 162 to 202, 253-254, 286, 288-291.

Conductor Size AWG (sqmm)	Type	Dimensions in.				Insulation Color	Quantity Box/Bag
		Ø	B	P	L		
22 - 20 (0.3 - 0.5)	PKD506	0.10	0.06	0.24	0.47	white	10,000/500
	PKD508	0.10	0.06	0.31	0.55		10,000/500
	PKD510	0.10	0.06	0.39	0.63		10,000/500
18 (0.75)	PKD7506	0.11	0.06	0.24	0.47	grey	10,000/500
	PKD7508	0.11	0.06	0.31	0.55		10,000/500
	PKD7510	0.11	0.06	0.39	0.63		10,000/500
	PKD7512	0.11	0.06	0.47	0.71		10,000/500
17 (1)	PKD106	0.12	0.07	0.24	0.47	red	10,000/500
	PKD108	0.12	0.07	0.31	0.55		10,000/500
	PKD110	0.12	0.07	0.39	0.63		10,000/500
	PKD112	0.12	0.07	0.47	0.71		8,000/500
16 (1.5)	PKD1508	0.14	0.08	0.31	0.55	black	5,000/500
	PKD1510	0.14	0.08	0.39	0.63		5,000/500
	PKD1512	0.14	0.08	0.47	0.71		5,000/500
	PKD1518	0.14	0.08	0.71	0.94		5,000/500
14 (2.5)	PKD2508	0.17	0.1	0.31	0.55	blue	5,000/500
	PKD2512	0.17	0.1	0.47	0.71		4,000/500
	PKD2518	0.17	0.1	0.71	0.94		5,000/500
12 (4)	PKD410	0.19	0.13	0.39	0.71	grey	3,000/200
	PKD412	0.19	0.13	0.47	0.79		3,000/200
	PKD418	0.19	0.13	0.71	1.02		3,000/200
10 (6)	PKD612	0.25	0.16	0.47	0.79	yellow	1,500/100
	PKD618	0.25	0.16	0.71	1.02		1,500/100
8 - 7 (10)	PKD1012	0.30	0.2	0.47	0.87	red	1,000/100
	PKD1018	0.30	0.2	0.71	1.10		1,000/100
6 - 5 (16)	PKD1612	0.35	0.25	0.47	0.94	blue	800/100
	PKD1618	0.35	0.25	0.71	1.10		1,000/100
4 (25)	PKD25016	0.44	0.31	0.63	1.18	yellow	400/50
	PKD25022	0.44	0.31	0.87	1.42		400/50
2 (35)	PKD35016	0.50	0.35	0.63	1.18	red	300/50
	PKD35025	0.50	0.35	0.98	1.54		300/50
1/0 (50)	PKD50020	0.59	0.43	0.79	1.42	blue	200/50
	PKD50025	0.59	0.43	0.98	1.61		150/50

PKE

PA6 INSULATED END SLEEVES

for flexible copper conductors



Conductor Size AWG (sqmm)	Type	Dimensions in.				Insulation Color	Quantity Box/Bag
		Ø	B	P	L		
26 - 22 (0.1 - 0.3)	PKE308*	0.07	0.04	0.31	0.47	yellow	20,000/500
22 - 20 (0.3 - 0.5)	PKE508*	0.10	0.06	0.31	0.55	white	10,000/500
18 (0.75)	PKE7508	0.11	0.06	0.31	0.55	blue	10,000/500
17 (1)	PKE108*	0.12	0.07	0.31	0.55	red	10,000/500
16 (1.5)	PKE1508*	0.14	0.08	0.31	0.55	black	5,000/500
	PKE1510*	0.14	0.08	0.39	0.63		5,000/500
	PKE1518*	0.14	0.08	0.71	0.94		5,000/500
14 (2.5)	PKE2508	0.17	0.1	0.31	0.55	grey	5,000/500
	PKE2512	0.17	0.1	0.47	0.71		4,000/500
	PKE2518	0.17	0.1	0.71	0.94		3,000/500
12 (4)	PKE410	0.19	0.13	0.39	0.71	orange	3,000/200
	PKE412	0.19	0.13	0.47	0.79		3,000/200
	PKE418	0.19	0.13	0.71	1.02		3,000/200
10 (6)	PKE612	0.25	0.16	0.47	0.79	green	1,500/100
	PKE618	0.25	0.16	0.71	1.02		1,500/100
8 - 7 (10)	PKE1012	0.30	0.2	0.47	0.87	brown	1,000/100
	PKE1018	0.30	0.2	0.71	1.10		1,000/100
6 - 5 (16)	PKE1612	0.35	0.24	0.47	0.91	ivory	800/100
	PKE1618	0.35	0.24	0.71	1.14		800/100
4 (25)	PKE25016	0.44	0.31	0.63	1.18	black	400/50
	PKE25022	0.44	0.31	0.87	1.42		400/50

*to DIN standard 46 228/4 *Not UL approved

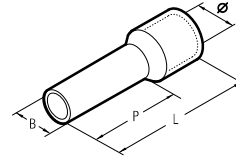
PA6 INSULATED END SLEEVES

for flexible copper conductors

PKC

Conductor Size AWG (sqmm)	Type	Dimensions in.				Insulation Color	Quantity Box/Bag
		Ø	B	P	L		
26 - 22 (0.1 - 0.3)	PKC306*	0.07	0.04	0.24	0.39	turquoise	20,000/500
	PKC308*	0.07	0.04	0.31	0.47		20,000/500
22 - 20 (0.3 - 0.5)	PKC508	0.10	0.06	0.31	0.55	orange	10,000/500
	PKC510	0.10	0.06	0.39	0.63		10,000/500
18 (0.75)	PKC7508	0.11	0.06	0.31	0.55	white	10,000/500
	PKC7512	0.11	0.06	0.47	0.71		10,000/500
17 (1)	PKC108	0.12	0.07	0.31	0.55	yellow	10,000/500
	PKC112	0.12	0.07	0.47	0.71		7,500/500
16 (1.5)	PKC1508	0.14	0.08	0.31	0.55	red	5,000/500
	PKC1510	0.14	0.08	0.39	0.63		5,000/500
	PKC1518	0.14	0.08	0.71	0.94		5,000/500
14 (2.5)	PKC2508*	0.17	0.10	0.31	0.55	blue	5,000/500
	PKC2512*	0.17	0.10	0.47	0.71		5,000/500
	PKC2518*	0.17	0.10	0.71	0.94		5,000/500
12 (4)	PKC410*	0.19	0.13	0.39	0.71	grey	3,000/200
	PKC412*	0.19	0.13	0.47	0.79		3,000/200
	PKC418*	0.19	0.13	0.71	1.02		3,000/200
10 (6)	PKC612	0.25	0.16	0.47	0.79	black	1,500/100
	PKC618	0.25	0.16	0.71	1.02		1,500/100
8 - 7 (10)	PKC1012	0.30	0.20	0.47	0.87	ivory	1,000/100
	PKC1018	0.30	0.20	0.71	1.10		1,000/100
6 - 5 (16)	PKC1612	0.35	0.24	0.47	0.91	green	800/100
	PKC1618	0.35	0.24	0.71	1.14		800/100
4 (25)	PKC25016	0.44	0.31	0.63	1.18	brown	400/50
	PKC25022	0.44	0.31	0.87	1.42		500/50
2 (35)	PKC35016	0.50	0.35	0.63	1.18	beige	300/50
	PKC35025	0.50	0.35	0.98	1.54		200/50
1/0 (50)	PKC50020	0.59	0.43	0.79	1.42	olive	200/50
	PKC50025	0.59	0.43	0.98	1.61		150/50
2/0 (70)	PKC70022*	0.63	0.56	0.87	1.50	yellow	100/25
3/0 (95)	PKC95025*	0.71	0.62	0.98	1.73	red	100/25
250 MCM (120)	PKC120027*	0.83	0.69	1.06	1.89	blue	75/25

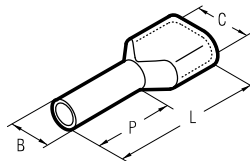
*to DIN standard 46 228/4 *Not UL approved



"TWIN" PA6 INSULATED END SLEEVES

for fine stranded conductors

PKT



Conductor Size AWG (sqmm)	Type	Dimensions in.				Insulation Color	ND1,ND2,ND3, ND4 and HNKE 50 Compression Aperture	Quantity Box/Bag
		C	B	P	L			
2 x 20 (2 x 0.5)	PKT508	0.19x0.10	0.07	0.32	0.55	white	1	5,000/500
	PKT510*	0.19x0.10	0.07	0.39	0.71			5,000/500
2 x 18 (2 x 0.75)	PKT7508	0.20x0.11	0.08	0.32	0.59	grey	1.5	2,500/100
	PKT7510	0.20x0.11	0.08	0.39	0.67			2,500/100
2 x 17 (2 x 1)	PKT108	0.21x0.13	0.09	0.32	0.63	red	2.5	2,500/100
	PKT110	0.21x0.13	0.09	0.39	0.71			2,500/100
2 x 16 (2 x 1.5)	PKT1508	0.26x0.14	0.10	0.32	0.63	black	2.5	2,500/100
	PKT1512	0.26x0.14	0.10	0.47	0.79			2,500/100
2 x 14 (2 x 2.5)	PKT2510	0.31x0.17	0.13	0.39	0.79	blue	4	2,000/100
	PKT2512	0.31x0.17	0.13	0.51	0.87			1,500/100
2 x 12 (2 x 4)	PKT412	0.35x0.19	0.17	0.47	0.91	grey	6	1,000/100
2 x 10 (2 x 6)	PKT614	0.39x0.27	0.21	0.55	1.02	yellow	10	800/100
2 x 8 - 7 (2 x 10)	PKT1014*	0.52x0.30	0.24	0.47	0.94	red	16	500/50
2 x 6 - 5 (2 x 16)	PKT1614	0.73x0.38	0.35	0.55	1.20	blue	35	200/50

*Not UL approved

Type PKT range of end sleeves is manufactured from tin plated electrolytic copper with a purity greater than 99.9%.

The PA6 insulation type PA10080 is certified EN45545-2.

Designed to accommodate two cables terminating in the same sleeve.

The operating temperature range is -4 to +239°F (Surge +266°F).

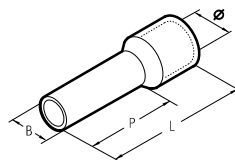
Recommended crimping tools are shown on pages 162 to 202, 253-254, 286, 288-291.

CPKD CPKC

POLYPROPYLENE INSULATED CHAIN END SLEEVES

for flexible copper conductors

HF
HALOGEN
FREE



Conductor Size AWG (sqmm)	Type	Dimensions in.				Insulation Color	Quantity Box/Bag
		Ø	B	P	L		
22 - 20 (0.3 - 0.5)	CPKD508	0.10	0.05	0.31	0.55	○ white	5,000
18 (0.75)	CPKD7508	0.11	0.06	0.31	0.55	● grey	5,000
18 (0.75)	CPKC7508	0.11	0.06	0.31	0.55	○ white	5,000
17 (1)	CPKD108	0.12	0.07	0.31	0.55	● red	5,000
15 (1.5)	CPKD1508	0.14	0.08	0.31	0.55	● black	5,000
13 (2.5)	CPKD2508	0.17	0.10	0.31	0.55	● blue	3,000

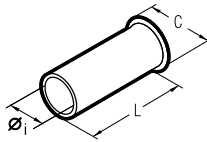
Conforms to DIN standard 46228/4.



Interchangeable application heads are available for crimping these terminals with the bench press ELB-3 (see page 202).

UNINSULATED END SLEEVES

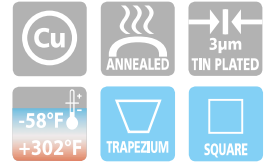
for flexible copper conductors



Conductor Size AWG (sqmm)	Type	Dimensions in.			Quantity Box/Bag
		Ø	L	C	
22 - 20 (0.5)	KE506ST*	0.04	0.24	0.07	50,000/500
	KE508ST	0.04	0.31	0.07	50,000/500
18 (0.75)	KE7506ST*	0.05	0.24	0.09	40,000/500
	KE7508ST	0.05	0.31	0.09	40,000/500
17 (1)	KE106ST*	0.06	0.24	0.09	25,000/500
	KE110ST*	0.06	0.39	0.09	25,000/500
16 (1.5)	KE1508ST	0.07	0.31	0.11	25,000/500
	KE1510ST*	0.07	0.39	0.11	25,000/500
14 (2.5)	KE2508ST	0.09	0.31	0.13	20,000/500
	KE2510ST*	0.09	0.39	0.13	15,000/500
12 (4)	KE410ST	0.11	0.39	0.16	12,500/500
	KE412ST*	0.11	0.47	0.16	10,000/500
10 (6)	KE610ST*	0.14	0.39	0.19	10,000/500
	KE612ST*	0.14	0.47	0.19	7,500/500
	KE616ST*	0.14	0.59	0.19	5,000/500
	KE1016ST*	0.18	0.59	0.23	4,000/250
8 - 7 (10)	KE1616ST*	0.23	0.59	0.30	3,000/250
	KE25015ST	0.29	0.59	0.37	1,500/100
6 - 5 (16)	KE25018ST*	0.29	0.71	0.37	1,500/100
	KE35012ST	0.33	0.47	0.41	1,500/100
4 (25)	KE35015ST	0.33	0.63	0.41	1,500/100
	KE35018ST*	0.33	0.71	0.41	1,000/100
2 (35)					

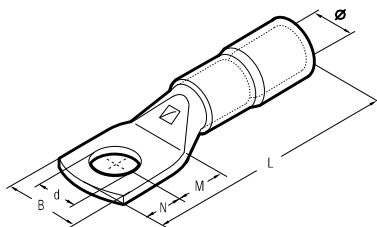
*to DIN standard 46 228/1

KE



KE series end sleeves are manufactured from tin plated electrolytic copper of grade CW024A according to EN 12449, with purity greater than 99%. The compact geometry of the range allows for the termination of flexible conductors in confined spaces.

Recommended crimping tools are shown on pages 162 to 202, 253-254, 286, 288-291.



ANE-M series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%, annealed and tin plated.

The interior of the Nylon insulated sleeve is funnel shaped so as to ensure complete and easy introduction of the conductor strands.

It also eliminates the need to insulate the terminal using either tape or heat shrinkable tubing.

Furthermore the PA6.6 sleeve avoids the possibility of conductor breakage at the barrel entrance.

The operating temperature range is -4 to +239°F (Surge + 266°F).

In order to achieve the best electrical and mechanical performance it is suggested that they are crimped using dies and tools specifically developed for this purpose by CEMBRE.

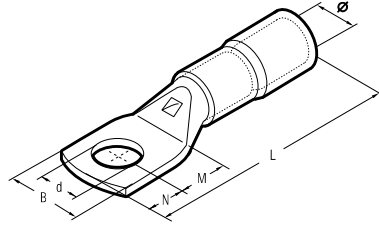
Details of the appropriate crimping tools and dies are shown on pages 338 to 339.

Cond. Size Flexible AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools		Hydraulic Tools	
			Ø	B	M	N	L	d					
8	#8	ANE2-M4	0.31	0.39	0.20	0.16	1.34	0.17	500/100	HNN3	HNN4	B15MA	
	#10	ANE2-M5	0.31	0.39	0.26	0.24	1.48	0.21	500/100				
	1/4"	ANE2-M6	0.31	0.43	0.28	0.24	1.50	0.25	500/100				
	5/16"	ANE2-M8	0.31	0.59	0.35	0.31	1.66	0.33	500/100				
	3/8"	ANE2-M10	0.31	0.71	0.43	0.39	1.81	0.41	500/100				
	1/2"	ANE2-M12	0.31	0.75	0.55	0.47	2.01	0.52	500/100				
6	#8	ANE3-M4	0.36	0.45	0.20	0.16	1.52	0.17	400/100	HNN4	HNN4	B15MA	
	#10	ANE3-M5	0.36	0.45	0.26	0.24	1.66	0.21	400/100				
	1/4"	ANE3-M6	0.36	0.45	0.28	0.24	1.68	0.25	400/100				
	5/16"	ANE3-M8	0.36	0.59	0.35	0.31	1.83	0.33	400/100				
	3/8"	ANE3-M10	0.36	0.71	0.43	0.39	1.99	0.41	300/100				
	1/2"	ANE3-M12	0.36	0.79	0.55	0.47	2.19	0.52	300/100				
4	#8	ANE5-M4	0.44	0.55	0.20	0.16	1.61	0.17	300/100	TNN70	TNN70	B550CA	
	#10	ANE5-M5	0.44	0.55	0.26	0.24	1.75	0.21	300/100				
	1/4"	ANE5-M6	0.44	0.55	0.28	0.24	1.77	0.25	300/100				
	5/16"	ANE5-M8	0.44	0.59	0.35	0.31	1.93	0.33	300/100				
	3/8"	ANE5-M10	0.44	0.71	0.43	0.39	2.09	0.41	200/100				
	1/2"	ANE5-M12	0.44	0.83	0.55	0.47	2.28	0.52	200/50				
2	1/4"	ANE7-M6	0.54	0.67	0.28	0.24	1.97	0.25	100/50	TNN120	TNN120	B500NDA	
	5/16"	ANE7-M8	0.54	0.67	0.35	0.31	2.13	0.33	100/50				
	3/8"	ANE7-M10	0.54	0.75	0.43	0.39	2.28	0.41	100/50				
	1/2"	ANE7-M12	0.54	0.83	0.55	0.47	2.48	0.52	100/50				
2-1/0	1/4"	ANE10-M6	0.54	0.75	0.31	0.28	2.09	0.25	150/50	TNN120	TNN120	B500NDA	
	5/16"	ANE10-M8	0.54	0.75	0.35	0.31	2.17	0.33	150/50				
	3/8"	ANE10-M10	0.54	0.79	0.45	0.37	2.32	0.41	150/50				
	1/2"	ANE10-M12	0.54	0.83	0.47	0.47	2.44	0.52	150/50				
1/0-2/0	1/4"	ANE14-M6	0.62	0.83	0.31	0.28	2.40	0.25	75/25	TNN120	TNN120	B500NDA	
	5/16"	ANE14-M8	0.62	0.83	0.35	0.31	2.48	0.31	75/25				
	3/8"	ANE14-M10	0.62	0.83	0.43	0.39	2.64	0.41	75/25				
	1/2"	ANE14-M12	0.62	0.87	0.55	0.47	2.83	0.52	75/25				
2/0	9/16"	ANE14-M14	0.62	0.98	0.63	0.55	2.99	0.59	100/25	TNN120	TNN120	B500NDA	
	5/16"	ANE19-M8	0.71	0.98	0.35	0.31	2.87	0.33	50/25				
	3/8"	ANE19-M10	0.71	0.98	0.43	0.39	3.03	0.41	50/25				
	1/2"	ANE19-M12	0.71	0.98	0.55	0.47	3.23	0.52	50/25				
3/0	9/16"	ANE19-M14	0.71	0.98	0.63	0.55	3.39	0.59	50/25	TNN120	TNN120	B500NDA	
	5/8"	ANE19-M16	0.71	1.06	0.71	0.63	3.15	0.67	50/25				
	3/8"	ANE24-M10	0.79	1.12	0.43	0.39	3.06	0.41	50/25				
	1/2"	ANE24-M12	0.79	1.12	0.55	0.47	3.41	0.52	50/25				
250	9/16"	ANE24-M14	0.79	1.12	0.63	0.55	3.48	0.59	50/25	TNN120	TNN120	B500NDA	
	5/8"	ANE24-M16	0.79	1.12	0.71	0.63	3.56	0.67	50/25				
	1/2"	ANE30-M12	0.91	1.24	0.63	0.55	3.98	0.52	20/10				
	9/16"	ANE30-M14	0.91	1.24	0.71	0.63	4.13	0.59	30/15				
300	5/8"	ANE30-M16	0.91	1.24	0.75	0.67	4.21	0.67	30/15	TNN120	TNN120	B500NDA	
	3/4"	ANE30-M20	0.91	1.24	0.87	0.79	4.45	0.83	30/15				

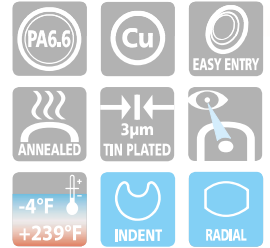
NYLON INSULATED COPPER TUBE LUGS

for extra flexible copper conductors

• for fine stranded
flexible conductors •
SPECIAL



Conductor Size Extra Flexible AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Ø	B	M	N	L	d			
2	1/4"	ANE9-M6/15*	0.54	0.59	0.31	0.28	2.13	0.25	150/50	TNN70	HT51 RH50 B500A B500NDA B550CA B1300L-CA and similar tools for U dies FCW43D
	5/16"	ANE9-M8	0.54	0.67	0.35	0.31	2.20	0.33	150/50		
	3/8"	ANE9-M10	0.54	0.73	0.43	0.39	2.36	0.41	150/50		
	1/2"	ANE9-M12	0.54	0.83	0.55	0.47	2.56	0.52	150/50		
2-1/0	1/4"	ANE12-M6/15*	0.62	0.59	0.31	0.28	2.34	0.25	50/25		
	5/16"	ANE12-M8	0.62	0.78	0.35	0.31	2.42	0.33	50/25		
	3/8"	ANE12-M10	0.62	0.78	0.43	0.39	2.58	0.41	50/25		
	3/8"	ANE12-M10/19*	0.62	0.75	0.43	0.39	2.58	0.41	50/25		
1/0-2/0	1/2"	ANE12-M12	0.62	0.87	0.55	0.47	2.78	0.52	50/25	TNN120	
	1/4"	ANE17-M6	0.70	0.91	0.31	0.28	2.51	0.25	50/25		
	5/16"	ANE17-M8	0.70	0.91	0.35	0.31	2.59	0.33	50/25		
	3/8"	ANE17-M10	0.70	0.91	0.43	0.39	2.75	0.41	50/25		
	3/8"	ANE17-M10/19*	0.70	0.75	0.43	0.39	2.75	0.41	100/25		
	1/2"	ANE17-M12	0.70	0.91	0.55	0.47	2.94	0.52	50/25		
	9/16"	ANE17-M14	0.70	0.98	0.61	0.47	3.00	0.59	50/25		
	5/8"	ANE17-M16	0.70	1.06	0.65	0.53	3.10	0.67	50/25		
2/0	5/16"	ANE20-M8	0.79	1.06	0.35	0.31	2.78	0.33	50/25		
	3/8"	ANE20-M10	0.79	1.06	0.43	0.39	2.94	0.41	50/25		
	1/2"	ANE20-M12	0.79	1.06	0.55	0.47	3.13	0.52	50/25		
	9/16"	ANE20-M14	0.79	1.06	0.61	0.47	3.19	0.59	50/25		
3/0	5/8"	ANE20-M16	0.79	1.06	0.65	0.53	3.29	0.67	50/25		
	3/8"	ANE29-M10	0.88	1.18	0.43	0.39	3.21	0.41	30/15		
250	1/2"	ANE29-M12	0.88	1.18	0.55	0.47	3.41	0.52	30/15		
	9/16"	ANE29-M14	0.88	1.18	0.61	0.47	3.48	0.59	50/25		
	5/8"	ANE29-M16	0.88	1.18	0.65	0.53	3.56	0.67	50/25		
	3/4"	ANE29-M20	0.88	1.18	0.87	0.79	4.04	0.83	40/20		
235	1/2"	ANE35-M12	0.98	1.35	0.63	0.55	3.74	0.52	30/15		
	9/16"	ANE35-M14	0.98	1.35	0.71	0.63	3.90	0.59	30/15		
	5/8"	ANE35-M16	0.98	1.35	0.75	0.67	3.98	0.67	30/15		
	3/4"	ANE35-M20	0.98	1.35	0.87	0.79	4.21	0.83	30/15		



These lugs are particularly recommended for use with extra flexible conductors on welding machines. ANE-M series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%, annealed and tin plated. The interior of the Nylon insulated sleeve is funnel shaped to ensure complete and easy introduction of the conductor strands.

It also eliminates the need to insulate the terminal using either tape or heat-shrinkable tubing.

Furthermore, the PA6.6 sleeve avoids the possibility of conductor breakage at the barrel entrance. The operating temperature range is -4 to +239°F (Surge + 266°F).

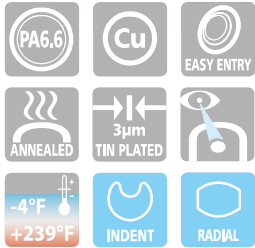
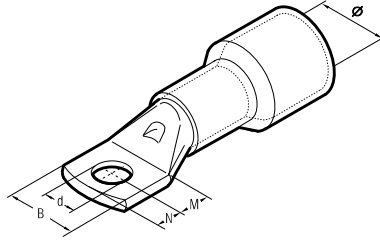
In order to achieve the best electrical and mechanical performance it is suggested that they are crimped using dies and tools specifically developed for this purpose by CEMBRE.

Details of the appropriate crimping tools and dies are shown on pages 338 to 339.

AN-M IN-M EN-M

NYLON INSULATED COPPER TUBE LUGS

for copper conductors



They are manufactured from electrolytic copper tube with a purity greater than 99.9%. They are annealed and tin plated to ensure both a good electrical connection and an adequate resistance to vibration and tractions.

For the same cable section, there are different types of connectors available with Nylon sleeve entry with different diameters. This allows acceptance of conductors with various insulation thickness.

The insulated sleeve additionally will accept the conductor, avoiding a sudden bending of the conductor itself at the connector entry, highly increasing its resistance to the mechanical solicitations that could break the conductor strands.

- To complete the type of connectors add the screw diameter expressed in mm to the M reference.

- The M, N, and B dimensions concerning the palm are the same as the A-M connector ones.

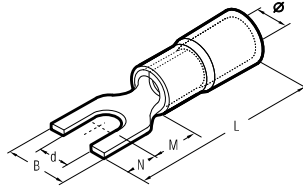
These connectors can be used also on low stranded conductors if crimped with radial containment dies of the MN..RF-C series.

In order to achieve the best electrical and mechanical performance it is suggested that they are crimped using dies and tools specifically developed for this purpose by CEMBRE (see page 338 to 339).

Conductor Size (AWG)		Type	Insulation		Mechanical Tools	Hydraulic Tools
low stranded	Flexible		Ø in.	Color		
	(14)	AN06-M.....	0.16	blue	HNN3	
		IN06-M.....	0.20	green		
		ENR06-M.....	0.23	blue		
		EN06-M.....	0.27	blue		
	(10)	AN1-M.....	0.20	yellow	HNN3	
		IN1-M.....	0.25	neutral		
		ON1-M.....	0.29	blue		
		UN1-M.....	0.34	blue		
		EN1-M.....	0.55	red		
		AN2-M.....	0.31	red		
	(8)	IN2-M.....	0.42	blue	HNN4	B15MA
		ENR2-M.....	0.49	blue		
		EN2-M.....	0.59	red		
		AN3-M.....	0.36	blue		
	(6)	IN3-M.....	0.46	red	HNN4	B15MA
		AN5-M.....	0.44	yellow		
		AN7-M.....	0.47	red		
	(4)	EN7-M.....	0.51	blue	TNN70	B550CA
		IN7-M.....	0.73	red		
		AN10-M.....	0.54	neutral		
	(1/0)	IN10-M.....	0.59	blue	TNN120	B500A
		ENR10-M.....	0.68	blue		
		EN10-M.....	0.79	red		
	(2/0)	AN14-M.....	0.62	blue	TNN120	B500A
		IN14-M.....	0.66	blue		
		EN14-M.....	0.86	red		
	(2/0)	AN17-M.....	0.70	yellow	TNN120	B500A
		AN19-M.....	0.71	blue		
		EN19-M.....	0.77	blue		
	(3/0)	IN19-M.....	0.95	red	TNN120	B500A
		AN24-M.....	0.79	red		
		IN24-M.....	0.87	blue		
	(250 MCM)	EN24-M.....	1.06	red	TNN120	B500A
		AN30-M.....	0.90	red		
		EN30-M.....	0.96	blue		
	(300 MCM)	IN30-M.....	1.14	red	TNN120	B500A
		INR37-M.....	1.14	blue		
		IN37-M.....	1.24	red		
	(500 MCM)	EN48-M.....	1.15	red	TNN120	B500A
		IN48-M.....	1.35	red		
		EN60-M.....	1.31	red		
	(600 MCM)	IN60-M.....	1.49	red	TNN120	B500A
		EN80-M.....	1.48	blue		
		IN80-M.....	1.61	red		

NYLON INSULATED FORK TERMINALS

for copper conductors



Conductor Size Flexible AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools			Hydraulic Tools			
			Ø	B	M	N	L	d		HNN3	HNN4	TNN70	TNN120	B15MA	HT51 RH50 B500A B500NDA B550CA	B1300-CA and similar tools for U dies
8	#8	ANE2-U4	0.31	0.39	0.30	0.28	1.38	0.17	500/100							
	#10	ANE2-U5	0.31	0.45	0.30	0.28	1.38	0.21	500/100							
6	#8	ANE3-U4	0.36	0.39	0.39	0.31	1.62	0.17	400/100							
	#10	ANE3-U5	0.36	0.45	0.39	0.31	1.62	0.21	400/100							

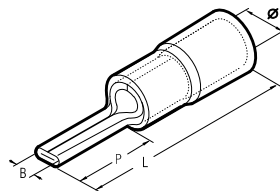


ANE-U series terminals are made from electrolytic copper with a purity greater than 99.9%, rolled, tin plated and brazed. The interior of the Nylon insulated sleeve is funnel shaped to ensure complete and easy introduction of the conductor strands. The operating temperature range is -4 to +239°F (Surge + 266°F)..

In order to achieve the best electrical and mechanical performance it is suggested that they are crimped using dies and tools specifically developed for this purpose by CEMBRE. Details of the appropriate crimping tools and dies are shown on pages 338 to 339.

NYLON INSULATED PIN TERMINALS

for copper conductors



Conductor Size Flexible AWG	Type	Dimensions in.				Quantity Box/Bag	Mechanical Tools				Hydraulic Tools		
		Ø	B	P	L		HNN3	HNN4	TNN70	TNN120	B15MA	HT51 RH50 B500A B500DA B550CA	B1300-CA and similar tools for U dies
8	ANE2-P12	0.31	0.17	0.57	1.38	500/100							
6	ANE3-P14	0.36	0.22	0.71	1.62	400/100							
4	ANE5-P16	0.44	0.27	0.80	1.77	300/100							
2	ANE7-P20	0.54	0.31	0.96	2.17	150/50							



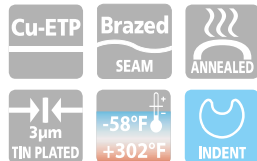
ANE-P series terminals are made from electrolytic copper with a purity greater than 99.9%, rolled, tin plated and brazed. The interior of the Nylon insulated sleeve is funnel shaped to ensure complete and easy introduction of the conductor strands. The operating temperature range is -4 to +239°F (Surge + 266°F)..

In order to achieve the best electrical and mechanical performance it is suggested that they are crimped using dies and tools specifically developed for this purpose by CEMBRE. Details of the appropriate crimping tools and dies are shown on pages 338 to 339.

S

UNINSULATED TERMINALS

S range - brazed seam - for copper conductors

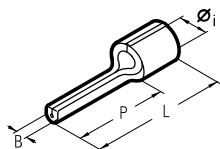


S range terminals are manufactured from electrolytic copper strip with a purity greater than 99.9% and tin plated.

The seam is brazed to provide uniform mechanical strength. The terminal barrel is rifled to enhance electrical contact and to

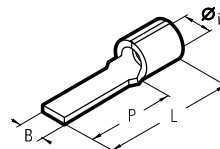
improve mechanical strength. Recommended crimping tools are shown on pages 162 to 199, 286.

pin terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Øi	B	P	L	
22 - 16 (0.25 - 1.5)	S1.5-P8	0.07	0.06	0.31	0.47	8,000/100
	S1.5-P10	0.07	0.06	0.39	0.55	8,000/100
	S1.5-P12	0.07	0.06	0.47	0.64	8,000/100
16 - 14 (1.5 - 2.5)	S2.5-P8	0.09	0.06	0.31	0.47	7,000/100
	S2.5-P10	0.09	0.06	0.39	0.55	7,000/100
	S2.5-P12	0.09	0.06	0.47	0.63	7,000/100
12 - 10 (4 - 6)	S6-P10	0.14	0.09	0.39	0.66	4,000/100
	S6-P12	0.14	0.09	0.47	0.76	4,000/100
	S6-P14	0.14	0.09	0.55	0.83	3,000/100

blade terminals



Conductor Size AWG (sqmm)	Type	Dimensions in.				Quantity Box/Bag
		Øi	B	P	L	
22 - 16 (0.25 - 1.5)	S1.5-PP12	0.07	0.12	0.50	0.67	8,000/100
	S1.5-PP12/1*	0.07	0.12	0.44	0.61	8,000/100
	S1.5-PP12/19	0.07	0.07	0.52	0.69	8,000/100
	S1.5-PP14	0.07	0.12	0.58	0.75	8,000/100
16 - 14 (1.5 - 2.5)	S2.5-PP12	0.09	0.14	0.50	0.67	7,000/100
	S2.5-PP12/25	0.09	0.10	0.52	0.69	7,000/100
	S2.5-PP16/25	0.09	0.10	0.68	0.84	7,000/100
12 - 10 (4 - 6)	S6-PP12	0.14	0.16	0.52	0.78	4,000/100
	S6-PP17	0.14	0.11	0.75	1.00	4,000/100

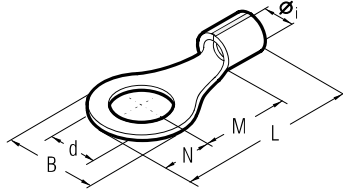
*Made to order

UNINSULATED TERMINALS

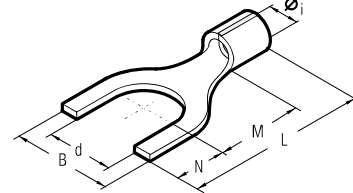
S

S range - brazed seam - for copper conductors

ring terminals



fork/spade terminals



Conductor Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Øi	B	M	N	L	d	
22 - 16 (0.25 - 1.5)	#3	S1.5-M2*	0.07	0.22	0.18	0.11	0.45	0.09	7,000/100
	#4	S1.5-M3	0.07	0.22	0.18	0.11	0.45	0.13	7,000/100
	#6	S1.5-M3.5	0.07	0.22	0.18	0.11	0.45	0.15	7,000/100
	#6	S1.5-M3.5/1*	0.07	0.24	0.28	0.12	0.57	0.15	7,000/100
	#8	S1.5-M4	0.07	0.28	0.26	0.14	0.56	0.17	7,000/100
	#8	S1.5-M4/3*	0.07	0.31	0.28	0.15	0.60	0.17	7,000/100
	#10	S1.5-M5	0.07	0.31	0.28	0.15	0.60	0.21	7,000/100
	1/4"	S1.5-M6	0.07	0.37	0.32	0.19	0.67	0.25	6,000/100
	1/4"	S1.5-M6/1	0.07	0.47	0.41	0.24	0.81	0.25	5,000/100
	17/64"	S1.5-M7	0.07	0.37	0.32	0.19	0.67	0.28	6,000/100
	5/16"	S1.5-M8	0.07	0.47	0.41	0.24	0.81	0.33	4,000/100
	3/8"	S1.5-M10	0.07	0.61	0.51	0.30	0.98	0.41	3,000/100
	1/2"	S1.5-M12	0.07	0.71	0.61	0.35	1.13	0.51	2,000/100
16 - 14 (1.5 - 2.5)	#4	S2.5-M3	0.09	0.22	0.20	0.11	0.47	0.13	6,000/100
	#6	S2.5-M3.5	0.09	0.22	0.20	0.11	0.47	0.15	6,000/100
	#6	S2.5-M3.5/1*	0.09	0.24	0.26	0.12	0.54	0.15	5,000/100
	#8	S2.5-M4	0.09	0.31	0.26	0.16	0.58	0.17	5,000/100
	#10	S2.5-M5	0.09	0.31	0.30	0.16	0.62	0.21	5,000/100
	1/4"	S2.5-M6	0.09	0.37	0.34	0.19	0.69	0.25	5,000/100
	1/4"	S2.5-M6/1	0.09	0.47	0.41	0.24	0.81	0.25	5,000/100
	17/64"	S2.5-M7	0.09	0.39	0.31	0.20	0.67	0.28	5,000/100
	5/16"	S2.5-M8	0.09	0.47	0.41	0.24	0.81	0.33	4,000/100
	3/8"	S2.5-M10	0.09	0.61	0.51	0.30	0.98	0.41	2,500/100
	1/2"	S2.5-M12	0.09	0.71	0.61	0.35	1.13	0.51	2,000/100
12 - 10 (4 - 6)	#4	S6-M3	0.14	0.31	0.32	0.16	0.73	0.13	3,000/100
	#6	S6-M3.5	0.14	0.31	0.32	0.16	0.73	0.15	3,000/100
	#8	S6-M4	0.14	0.35	0.32	0.18	0.75	0.17	3,000/100
	#10	S6-M5	0.14	0.35	0.32	0.18	0.75	0.21	2,500/100
	1/4"	S6-M6	0.14	0.43	0.44	0.22	0.91	0.25	2,500/100
	1/4"	S6-M6/1*	0.14	0.43	0.32	0.22	0.79	0.25	2,500/100
	17/64"	S6-M7	0.14	0.43	0.44	0.22	0.91	0.28	2,500/100
	5/16"	S6-M8	0.14	0.54	0.48	0.27	1.00	0.33	2,000/100
	3/8"	S6-M8/1*	0.14	0.43	0.32	0.22	0.79	0.33	2,500/100
	3/8"	S6-M10	0.14	0.54	0.48	0.27	1.00	0.41	2,000/100
	3/8"	S6-M10/1	0.14	0.61	0.54	0.30	1.10	0.41	2,000/100
	1/2"	S6-M12	0.14	0.75	0.59	0.37	1.22	0.51	1,000/100
	9/16"	S6-M14	0.14	0.83	0.63	0.41	1.30	0.59	1,000/100
8 (10)	5/8"	S6-M16	0.14	0.94	0.67	0.47	1.40	0.67	1,000/100
	#8	S10-M4	0.19	0.45	0.35	0.23	0.94	0.17	2,000/100
	#10	S10-M5	0.19	0.45	0.35	0.23	0.94	0.21	2,000/100
	1/4"	S10-M6	0.19	0.45	0.35	0.23	0.94	0.25	2,000/100
	17/64"	S10-M7	0.19	0.45	0.35	0.23	0.94	0.28	1,500/100

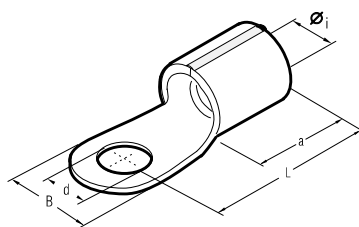
Conductor Size AWG (sqmm)	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag
			Øi	B	M	N	L	d	
22 - 16 (0.25 - 1.5)	#4	S1.5-U3	0.07	0.22	0.22	0.16	0.54	0.13	7,000/100
	#6	S1.5-U3.5	0.07	0.24	0.26	0.15	0.57	0.15	7,000/100
	#6	S1.5-U3.5/2*	0.07	0.25	0.26	0.15	0.57	0.15	7,000/100
	#8	S1.5-U4	0.07	0.26	0.30	0.15	0.61	0.17	7,000/100
	#8	S1.5-U4/1*	0.07	0.33	0.30	0.15	0.61	0.17	7,000/100
	#8	S1.5-U4/2	0.07	0.30	0.30	0.15	0.61	0.17	7,000/100
	#10	S1.5-U5	0.07	0.33	0.30	0.15	0.61	0.21	7,000/100
	#10	S1.5-U5/1	0.07	0.37	0.30	0.15	0.61	0.21	7,000/100
	1/4"	S1.5-U6	0.07	0.37	0.32	0.19	0.67	0.25	6,000/100
	1/4"	S1.5-U6/1*	0.07	0.47	0.36	0.28	0.81	0.25	6,000/100
	5/16"	S1.5-U8	0.07	0.55	0.39	0.25	0.81	0.33	3,000/100
	3/8"	S1.5-U10	0.07	0.69	0.51	0.30	0.98	0.41	2,500/100
	1/2"	S1.5-U12	0.07	0.79	0.61	0.35	1.13	0.51	2,000/100
16 - 14 (1.5 - 2.5)	#4	S2.5-U3	0.09	0.22	0.22	0.16	0.54	0.13	6,000/100
	#6	S2.5-U3.5	0.09	0.25	0.26	0.15	0.57	0.15	6,000/100
	#6	S2.5-U3.5/1*	0.09	0.28	0.26	0.15	0.57	0.15	6,000/100
	#8	S2.5-U4	0.09	0.26	0.30	0.15	0.61	0.17	5,000/100
	#8	S2.5-U4/1*	0.09	0.33	0.30	0.15	0.61	0.17	6,000/100
	#8	S2.5-U4/2*	0.09	0.30	0.30	0.15	0.61	0.17	6,000/100
	#10	S2.5-U5	0.09	0.33	0.30	0.15	0.61	0.21	6,000/100
	1/4"	S2.5-U6	0.09	0.37	0.32	0.19	0.67	0.25	5,000/100
	1/4"	S2.5-U6/1*	0.09	0.47	0.36	0.28	0.81	0.25	4,000/100
	5/16"	S2.5-U8	0.09	0.55	0.39	0.25	0.81	0.33	2,500/100
	3/8"	S2.5-U10	0.09	0.69	0.51	0.30	0.98	0.41	2,000/100
	1/2"	S2.5-U12	0.09	0.79	0.61	0.35	1.13	0.51	2,000/100
12 - 10 (4 - 6)	#6	S6-U3.5	0.14	0.30	0.33	0.15	0.74	0.15	3,000/100
	#8	S6-U4	0.14	0.30	0.31	0.17	0.74	0.17	3,000/100
	#10	S6-U5	0.14	0.37	0.31	0.17	0.74	0.21	2,500/100
	1/4"	S6-U6	0.14	0.39	0.43	0.22	0.90	0.25	2,500/100
	5/16"	S6-U8	0.14	0.53	0.47	0.31	1.04	0.33	2,000/100
	3/8"	S6-U10	0.14	0.61	0.51	0.31	1.08	0.41	2,000/100
	3/8"	S6-U10/1*	0.14	0.69	0.54	0.30	1.10	0.41	2,000/100
	1/2"	S6-U12	0.14	0.83	0.59	0.37	1.22	0.51	1,000/100
	9/16"	S6-U14	0.14	0.91	0.63	0.41	1.30	0.59	1,000/100
	5/8"	S6-U16*	0.14	1.02	0.67	0.45	1.38	0.67	1,000/100

*Made to order



CRIMPING CONNECTORS ACCORDING TO DIN 46234

for copper conductors



Q type connectors are manufactured from electrolytic copper strip with a purity greater than 99.9%, annealed and surface protected by tin plating; dimensions are compliant with DIN 46234; the sleeve is brazed with a silver-copper alloy. Details of the conductor csa and stud diameter are engraved on the palm.

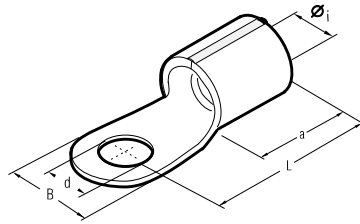
Details of the appropriate crimping tools and dies are shown on page 340.

Consult us for special requirements.

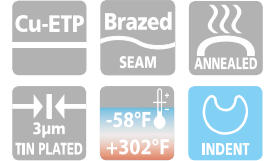
Conductor Size AWG	Ø Stud in.	Type	Dimensions in.					Quantity Box/Bag	Mechanical Tools	Hydraulic Tools		
			Øi	d	L	B	a					
10 - 8	#8	Q10-4	0.18	0.17	0.63	0.39	0.31	1,500/100	HN5	RHU81-D	B550CA	B600CND
	#10	Q10-5	0.18	0.21	0.63	0.39	0.31	1,500/100				
	1/4"	Q10-6	0.18	0.26	0.67	0.43	0.31	1,000/100				
	5/16"	Q10-8	0.18	0.33	0.79	0.55	0.31	1,000/100				
	3/8"	Q10-10	0.18	0.41	0.83	0.71	0.31	1,000/100				
	1/2"	Q10-12	0.18	0.51	0.87	0.87	0.31	500/100				
8 - 6	#10	Q16-5	0.23	0.21	0.79	0.43	0.39	1,000/100				
	1/4"	Q16-6	0.23	0.26	0.79	0.43	0.39	1,000/100				
	5/16"	Q16-8	0.23	0.33	0.87	0.55	0.39	500/100				
	3/8"	Q16-10	0.23	0.41	0.94	0.71	0.39	500/100				
	1/2"	Q16-12	0.23	0.51	1.02	0.87	0.39	500/100				
6 - 4	#10	Q25-5	0.30	0.21	0.98	0.47	0.43	500/100				
	1/4"	Q25-6	0.30	0.26	0.98	0.47	0.43	500/100				
	5/16"	Q25-8	0.30	0.33	0.98	0.63	0.43	500/100				
	3/8"	Q25-10	0.30	0.41	1.02	0.71	0.43	500/100				
	1/2"	Q25-12	0.30	0.51	1.22	0.87	0.43	500/100				
	5/8"	Q25-16	0.30	0.67	1.38	1.10	0.43	200/100				
4 - 2	1/4"	Q35-6	0.35	0.26	1.02	0.59	0.47	400/100				
	5/16"	Q35-8	0.35	0.33	1.02	0.63	0.47	400/100				
	3/8"	Q35-10	0.35	0.41	1.06	0.71	0.47	300/100				
	1/2"	Q35-12	0.35	0.51	1.22	0.87	0.47	250/50				
	5/8"	Q35-16	0.35	0.67	1.42	1.10	0.47	200/50				
2 - 1/0	1/4"	Q50-6	0.43	0.26	1.34	0.71	0.63	200/50				
	5/16"	Q50-8	0.43	0.33	1.34	0.71	0.63	200/50				
	3/8"	Q50-10	0.43	0.41	1.34	0.71	0.63	200/50				
	1/2"	Q50-12	0.43	0.51	1.42	0.87	0.63	200/50				
	5/8"	Q50-16	0.43	0.67	1.57	1.10	0.63	200/50				
1/0 2/0	1/4"	Q70-6	0.51	0.26	1.50	0.87	0.71	100/50				
	5/16"	Q70-8	0.51	0.33	1.50	0.87	0.71	100/50				
	3/8"	Q70-10	0.51	0.41	1.50	0.87	0.71	100/50				
	1/2"	Q70-12	0.51	0.51	1.50	0.87	0.71	100/50				
	5/8"	Q70-16	0.51	0.67	1.65	1.10	0.71	100/50				
2/0 3/0	5/16"	Q95-8	0.59	0.33	1.65	0.94	0.79	100/25				
	3/8"	Q95-10	0.59	0.41	1.65	0.94	0.79	100/25				
	1/2"	Q95-12	0.59	0.51	1.73	0.94	0.79	100/25				
	5/8"	Q95-16	0.59	0.67	2.76	1.10	0.79	100/25				

CRIMPING CONNECTORS ACCORDING TO DIN 46234

for copper conductors

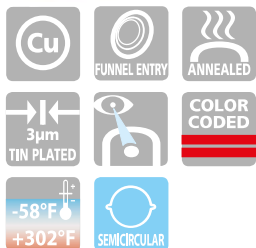
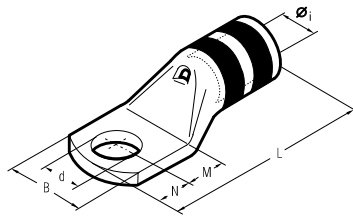


Conductor Size AWG	Ø Stud in.	Type	Dimensions in.					Quantity Box/Bag	Hydraulic Tools		
			Øi	d	L	B	a				
3/0 250	5/16"	Q120-8	0.65	0.33	1.73	0.94	0.87	100/25	RH60C HT60C B600CA B600CNDA	B1300L-CA and similar tools for U dies	ECW43D
	3/8"	Q120-10	0.65	0.41	1.73	0.94	0.87	100/25			
	1/2"	Q120-12	0.65	0.51	1.73	0.94	0.87	100/25			
	5/8"	Q120-16	0.65	0.67	1.89	1.10	0.87	50/25			
250	3/8"	Q150-10	0.75	0.41	1.97	1.18	0.94	50/25			
300	1/2"	Q150-12	0.75	0.51	1.97	1.18	0.94	50/25			
MCM	5/8"	Q150-16	0.75	0.67	1.97	1.18	0.94	50/25			
300	3/8"	Q185-10	0.83	0.41	1.97	1.42	1.10	40/20			
350	1/2"	Q185-12	0.83	0.51	1.97	1.42	1.10	40/20			
MCM	5/8"	Q185-16	0.83	0.67	1.97	1.42	1.10	30/15			
350	3/8"	Q240-10	0.93	0.41	2.20	1.50	1.26	10/10			
500	1/2"	Q240-12	0.93	0.51	2.20	1.50	1.26	10/10			
MCM	5/8"	Q240-16	0.93	0.67	2.20	1.50	1.26	10/10			



Consult us for special requirements.

Consult us for further information.



C series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

CEMBRE lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

Terminals have to perform a reliable connection in applications that are subject to vibration which means the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor. The barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tin plated to avoid oxidation.

The tongue is clearly marked with wire size and die index for CEMBRE tools.

UL listed for US and Canada per UL486A up to 35 KV.

C series lugs are an important part of CEMBRE crimping systems for power carrying conductors.

Details of the appropriate crimping tools and dies are shown on page 332.

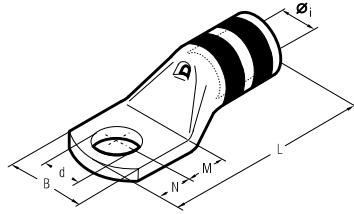
CEMBRE technicians are available to provide technical advice as required.

Please consult CEMBRE for products not listed.

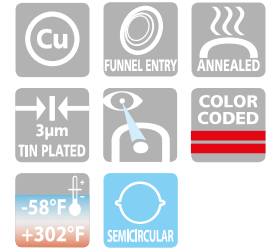
Conductor AWG		Ø Stud in.	Type	Dimensions in.					Color Code	Quantity Box/Bag	Mechanical Tools	Hydraulic Tools				
Size	Navy			Øi	B	M	N	L				d				
8	23	# 8	C8-8	0.18	0.39	0.20	0.16	0.89	0.17	RED	600/50	TN70SEY	B15MA	HT51 B1300L-CA and similar tools for U dies ECW-H3D RHU520		
		# 10	C8-10	0.18	0.39	0.26	0.24	1.02	0.21		600/50					
		1/4	C8-14	0.18	0.43	0.28	0.24	1.04	0.25		600/50					
		5/16	C8-516	0.18	0.59	0.35	0.31	1.20	0.33		400/50					
		3/8	C8-38	0.18	0.71	0.43	0.39	1.36	0.41		600/50					
		1/2	C8-12	0.18	0.75	0.55	0.47	1.56	0.52	600/50						
		# 8	C6-8	0.23	0.45	0.20	0.16	1.00	0.17	600/50						
		# 10	C6-10	0.23	0.45	0.26	0.24	1.14	0.21	600/50						
		1/4	C6-14	0.23	0.45	0.28	0.24	1.16	0.25	600/50						
		5/16	C6-516	0.23	0.59	0.35	0.31	1.32	0.33	600/50						
		3/8	C6-38	0.23	0.71	0.43	0.39	1.48	0.41	600/50						
		1/2	C6-12	0.23	0.79	0.55	0.47	1.71	0.52	400/50						
		# 8	C4-8	0.24	0.49	0.20	0.16	1.10	0.17	600/50						
		# 10	C4-10	0.24	0.49	0.26	0.24	1.24	0.21	600/50						
		1/4	C4-14	0.24	0.49	0.28	0.24	1.26	0.25	600/50						
		5/16	C4-516	0.24	0.59	0.35	0.31	1.42	0.33	600/50						
		3/8	C4-38	0.24	0.71	0.43	0.39	1.57	0.41	400/50						
		1/2	C4-12	0.24	0.79	0.55	0.47	1.77	0.52	400/50						
		# 8	C3-8	0.28	0.55	0.20	0.16	1.10	0.17	600/50						
		# 10	C3-10	0.28	0.55	0.26	0.24	1.24	0.21	600/50						
		1/4	C3-14	0.28	0.55	0.28	0.24	1.26	0.25	600/50						
		5/16	C3-516	0.28	0.59	0.35	0.31	1.42	0.33	600/50						
		3/8	C3-38	0.28	0.71	0.43	0.39	1.57	0.41	400/50						
		1/2	C3-12	0.28	0.83	0.55	0.47	1.77	0.52	400/50						
		# 10	C2-10	0.30	0.67	0.26	0.24	1.30	0.21	400/50						
		1/4	C2-14	0.30	0.67	0.28	0.24	1.32	0.25	400/50						
		5/16	C2-516	0.30	0.67	0.35	0.31	1.48	0.33	400/50						
		3/8	C2-38	0.30	0.75	0.43	0.39	1.63	0.41	400/50						
		1/2	C2-12	0.30	0.83	0.55	0.47	1.83	0.52	200/50						
		1/4	C1-14	0.35	0.67	0.28	0.24	1.36	0.25	400/50						
		5/16	C1-516	0.35	0.67	0.35	0.31	1.52	0.33	400/50						
		3/8	C1-38	0.35	0.75	0.43	0.39	1.67	0.41	200/50						
		1/2	C1-12	0.35	0.83	0.55	0.47	1.87	0.52	200/50						
		1/4	C1/0-14	0.39	0.75	0.31	0.28	1.59	0.25	200/25						
		5/16	C1/0-516	0.39	0.75	0.35	0.31	1.67	0.33	200/25						
		3/8	C1/0-38	0.39	0.79	0.43	0.39	1.83	0.41	200/25						
		1/2	C1/0-12	0.39	0.83	0.55	0.47	2.03	0.52	200/25						
		9/16	C1/0-916	0.39	0.98	0.63	0.55	2.19	0.59	200/25						
		5/8	C1/0-58	0.39	1.02	0.71	0.63	2.34	0.67	200/25						
		1/4	C2/0-14	0.44	0.83	0.31	0.28	1.73	0.25	200/25						
		5/16	C2/0-516	0.44	0.83	0.35	0.31	1.81	0.33	200/25						
		3/8	C2/0-38	0.44	0.83	0.43	0.39	1.97	0.41	200/25						
		1/2	C2/0-12	0.44	0.87	0.55	0.47	2.17	0.52	200/25						
		9/16	C2/0-916	0.44	0.98	0.63	0.55	2.32	0.59	100/25						
		5/8	C2/0-58	0.44	1.02	0.71	0.63	2.48	0.67	100/25						
		3/4	C2/0-34	0.44	1.16	0.87	0.79	2.79	0.83	100/25						
		1/4	C3/0-14	0.49	0.91	0.31	0.28	1.77	0.25	200/25						
		5/16	C3/0-516	0.49	0.91	0.35	0.31	1.85	0.33	100/25						
		3/8	C3/0-38	0.49	0.91	0.43	0.39	2.01	0.41	100/25						
		1/2	C3/0-12	0.49	0.94	0.55	0.47	2.20	0.52	100/25						
		9/16	C3/0-916	0.49	1.06	0.63	0.55	2.36	0.59	100/25						
		5/8	C3/0-58	0.49	1.10	0.71	0.63	2.52	0.67	100/25						
		3/4	C3/0-34	0.49	1.24	0.87	0.79	2.83	0.83	100/25						

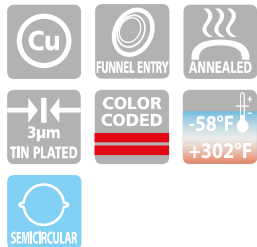
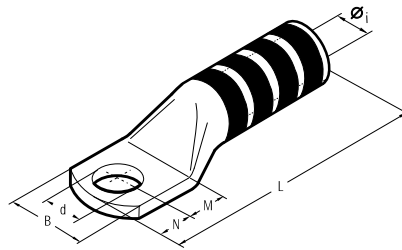
COLOR CODED COPPER CRIMPING LUGS

for copper conductors



Sez. Cond. AWG		Type	Dimensions in.						Color Code	Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
Size	Navy		ØI	B	M	N	L	d				
4/0	200	1/4 C4/0-14	0.53	0.98	0.31	0.28	1.99	0.25	PURPLE	100/25	TN120SEY	HT51 RH50 B500A B500CA B1300L-CA and similar tools for U dies
		5/16 C4/0-516	0.53	0.98	0.35	0.31	2.07	0.33		100/25		
		3/8 C4/0-38	0.53	0.98	0.43	0.39	2.22	0.41		100/25		
		1/2 C4/0-12	0.53	0.98	0.55	0.47	2.42	0.52		100/25		
		9/16 C4/0-916	0.53	0.98	0.63	0.55	2.58	0.59		100/25		
		5/8 C4/0-58	0.53	1.06	0.71	0.63	2.74	0.67		50/25		
250 MCM	250	3/4 C4/0-34	0.53	1.16	0.87	0.79	3.05	0.83	YELLOW	50/25		
		1/4 C250-14	0.60	1.12	0.31	0.28	2.05	0.25		100/25		
		5/16 C250-516	0.60	1.12	0.35	0.31	2.13	0.33		100/25		
		3/8 C250-38	0.60	1.12	0.43	0.39	2.28	0.41		100/25		
		1/2 C250-12	0.60	1.12	0.55	0.47	2.48	0.52		50/25		
		9/16 C250-916	0.60	1.12	0.63	0.55	2.64	0.59		50/25		
300 MCM	300	5/8 C250-58	0.60	1.12	0.71	0.63	2.80	0.67	WHITE	50/25		
		3/4 C250-34	0.60	1.18	0.87	0.79	3.11	0.83		50/25		
		7/8 C250-78	0.60	1.26	0.94	0.91	3.39	0.91		50/25		
		5/16 C300-516	0.66	1.24	0.51	0.43	2.72	0.33		40/10		
		3/8 C300-38	0.66	1.24	0.51	0.43	2.72	0.41		40/10		
		1/2 C300-12	0.66	1.24	0.63	0.55	2.95	0.52		40/10		
350 MCM	350	9/16 C300-916	0.66	1.24	0.71	0.63	3.11	0.59	RED	40/10		
		5/8 C300-58	0.66	1.24	0.75	0.67	3.19	0.67		40/10		
		3/4 C300-34	0.66	1.24	0.87	0.79	3.43	0.83		40/10		
		7/8 C300-78	0.66	1.24	0.94	0.91	3.62	0.91		40/10		
		3/8 C350-38	0.69	1.30	0.51	0.43	2.78	0.41		40/20		
		1/2 C350-12	0.69	1.30	0.63	0.55	3.01	0.52		40/20		
400 MCM	400	9/16 C350-916	0.69	1.30	0.71	0.63	3.17	0.59	BLUE	40/20		
		5/8 C350-58	0.69	1.30	0.75	0.67	3.25	0.67		40/20		
		3/4 C350-34	0.69	1.30	0.87	0.79	3.48	0.83		40/20		
		7/8 C350-78	0.69	1.46	0.94	0.91	3.68	0.91		30/15		
		3/8 C400-38	0.76	1.40	0.51	0.43	2.99	0.41		40/20		
		1/2 C400-12	0.76	1.40	0.63	0.55	3.23	0.52		40/20		
500 MCM	400	9/16 C400-916	0.76	1.40	0.71	0.63	3.39	0.59	BROWN	40/20		
		5/8 C400-58	0.76	1.40	0.75	0.67	3.46	0.67		40/20		
		3/4 C400-34	0.76	1.40	0.87	0.79	3.70	0.83		40/20		
		7/8 C400-78	0.76	1.40	0.94	0.91	3.90	0.91		40/20		
		3/8 C500-38	0.83	1.54	0.51	0.43	3.23	0.41		30/15		
		1/2 C500-12	0.83	1.54	0.63	0.55	3.46	0.52		30/15		
600 MCM	500	9/16 C500-916	0.83	1.54	0.71	0.63	3.62	0.59	GREEN	30/15		
		5/8 C500-58	0.83	1.54	0.75	0.67	3.70	0.67		30/15		
		3/4 C500-34	0.83	1.54	0.87	0.79	3.94	0.83		20/10		
		7/8 C500-78	0.83	1.54	0.94	0.91	4.13	0.91		20/10		
		1/2 C600-12	0.93	1.73	0.79	0.55	3.90	0.52		20/10		
		9/16 C600-916	0.93	1.73	0.87	0.63	4.06	0.59		20/10		
750 MCM	600	5/8 C600-58	0.93	1.73	0.87	0.75	4.17	0.67	BLACK	20/10		
		3/4 C600-34	0.93	1.73	0.94	0.91	4.41	0.83		10/5		
		7/8 C600-78	0.93	1.73	0.94	0.91	4.41	0.91		10/5		
		1/2 C750-12	1.02	1.89	0.87	0.75	4.45	0.52		10/5		
		5/8 C750-58	1.02	1.89	0.87	0.75	4.45	0.67		10/5		
		3/4 C750-34	1.02	1.89	0.94	0.91	4.69	0.83		10/5		
		7/8 C750-78	1.02	1.89	0.94	0.91	4.69	0.91		10/5		





CL series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%, for use in heavy duty applications.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

CEMBRE lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation. Terminals have to perform a reliable connection in applications that are subject to vibration which means the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The long barrel provides better mechanical pull-out strength.

Lugs are electrolytically tin plated to avoid oxidation.

The tongue is clearly marked with wire size and die index for CEMBRE tools.

UL listed for US and Canada per UL486A up to 35 KV.

CL series lugs are an important part of CEMBRE crimping systems for power carrying conductors.

Conductor AWG	Ø Stud in.	Type	Dimensions in.						Color Code	Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Øi	B	M	N	L	d				
8	23	# 10 CL8-10	0.18	0.39	0.25	0.23	1.47	0.20	RED	400/50	TN70SEY	B15MA
		1/4 CL8-14	0.18	0.43	0.27	0.23	1.49	0.25		400/50		
		3/8 CL8-38	0.18	0.70	0.43	0.39	1.81	0.41		400/50		
6	40	# 10 CL6-10	0.22	0.45	0.25	0.23	1.57	0.20	BLUE	400/50	TN120SEY	HT51 RH50 B500A B500DA B550CA B1300L-CA and similar tools for U dies ECW-H3D RHU520
		1/4 CL6-14	0.22	0.45	0.27	0.23	1.59	0.25		400/50		
		1/2 CL6-12	0.22	0.78	0.55	0.47	2.10	0.51		400/50		
4	50	# 10 CL4-10	0.24	0.49	0.25	0.23	1.85	0.20	GREY	400/50		
		1/4 CL4-14	0.24	0.49	0.27	0.23	1.87	0.25		400/50		
		3/8 CL4-38	0.24	0.70	0.43	0.39	2.18	0.41		400/50		
3	60	1/2 CL4-12	0.24	0.78	0.55	0.47	2.38	0.51	WHITE	400/50		
		1/4 CL3-14	0.27	0.55	0.27	0.23	1.87	0.25		200/100		
		5/16 CL3-516	0.27	0.59	0.35	0.31	2.02	0.33		200/100		
2	75	3/8 CL3-38	0.27	0.70	0.43	0.39	2.18	0.41	BROWN	200/100		
		1/2 CL3-12	0.27	0.82	0.55	0.47	2.38	0.51		200/100		
		1/4 CL2-10	0.29	0.66	0.25	0.23	1.81	0.20		200/50		
1	100	5/16 CL2-516	0.29	0.66	0.35	0.31	1.98	0.33	GREEN	200/50		
		1/2 CL2-12	0.29	0.82	0.55	0.47	2.34	0.51		200/50		
		# 10 CL1-10	0.35	0.66	0.25	0.23	1.88	0.20		200/50		
1/0	125	5/16 CL1-516	0.35	0.66	0.35	0.31	2.06	0.33	PINK	200/50		
		1/2 CL1-12	0.35	0.82	0.55	0.47	2.42	0.51		200/50		
		# 10 CL1/0-10	0.39	0.74	0.31	0.27	2.10	0.20		100/50		
2/0	150	5/16 CL1/0-516	0.39	0.74	0.35	0.31	2.18	0.33	BLACK	100/50		
		3/8 CL1/0-38	0.39	0.78	0.43	0.39	2.34	0.41		100/50		
		1/2 CL1/0-12	0.39	0.82	0.55	0.47	2.53	0.51		100/50		
3/0	200	3/8 CL2/0-38	0.44	0.82	0.43	0.39	2.65	0.41	ORANGE	100/50		
		1/2 CL2/0-12	0.44	0.86	0.55	0.47	2.85	0.51		100/50		
		1/2 CL3/0-12	0.48	0.94	0.55	0.47	2.81	0.51		100/50		
4/0	250	3/8 CL4/0-38	0.53	0.98	0.43	0.39	2.89	0.41	PURPLE	60/30		
		1/2 CL4/0-12	0.53	0.98	0.55	0.47	3.09	0.51		60/30		
250 MCM	250	1/2 CL250-12	0.59	1.12	0.55	0.47	3.30	0.51	YELLOW	50/25		
300 MCM	300	1/2 CL300-12	0.65	1.24	0.62	0.55	3.85	0.51	WHITE	30/15		
350 MCM	350	1/2 CL350-12	0.69	1.29	0.62	0.55	3.85	0.51	RED	30/15		
400 MCM	400	1/2 CL400-12	0.75	1.39	0.62	0.55	4.21	0.51	BLUE	20/10		
500 MCM		5/8 CL400-58	0.75	1.39	0.74	0.66	4.44	0.66		20/10		
500 MCM		1/2 CL500-12	0.83	1.53	0.62	0.55	4.25	0.51		20/10		
600 MCM	600	5/8 CL500-58	0.83	1.53	0.74	0.66	4.48	0.66	BROWN	20/10		
750 MCM		1/2 CL600-12	0.93	1.73	0.78	0.55	5.05	0.51		10/5		
750 MCM		5/8 CL600-58	0.93	1.73	0.86	0.74	5.33	0.66		10/5		
750 MCM	750	1/2 CL750-12	1.02	1.88	0.86	0.74	5.53	0.51	BLACK	10/5		
750 MCM		5/8 CL750-58	1.02	1.88	0.86	0.74	5.53	0.66		10/5		

Details of the appropriate crimping tools and dies are shown on page 332.

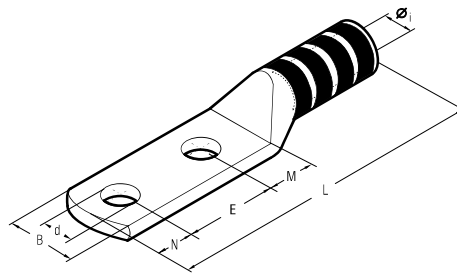
Also available with inspection hole.
In case of order, add suffix IH to the part number.
E.g.: CL250IH-12

CEMBRE technicians are available to provide technical advice as required. Please consult CEMBRE for products not listed.

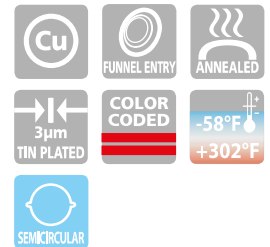
COLOR CODED COPPER CRIMPING LUGS

CL-D

double hole long barrel - for copper conductors



Conductor AWG		Ø Stud in.	Type	Dimensions in.							Color Code	Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
Size	Navy			Øi	B	M	E	N	L	d				
8	23	1/4	CL8-D14	0.18	0.43	0.28	5/8"	0.24	2.09	0.25	RED	400/50	TN70SEY	B15MA
		1/4	CL8-D141	0.18	0.43	0.28	3/4"	0.24	2.20	0.25		400/50		
		3/8	CL8-D38	0.18	0.71	0.43	1"	0.39	2.78	0.41		400/50		
		1/4	CL6-D14	0.23	0.45	0.28	5/8"	0.24	2.15	0.25	BLUE	400/50		
		1/4	CL6-D141	0.23	0.45	0.28	3/4"	0.24	2.26	0.25		400/50		
		3/8	CL6-D38	0.23	0.71	0.43	1"	0.39	2.83	0.41		400/50		
		1/2	CL6-DN	0.23	0.79	0.55	1 3/4"	0.47	3.78	0.52		400/50		
		1/4	CL4-D14	0.24	0.49	0.28	5/8"	0.24	2.44	0.25	GREY	200/50		
		1/4	CL4-D141	0.24	0.49	0.28	3/4"	0.24	2.56	0.25		200/50		
		3/8	CL4-D38	0.24	0.71	0.43	1"	0.39	3.13	0.41		200/50		
		1/2	CL4-DN	0.24	0.79	0.55	1 3/4"	0.47	4.07	0.52		200/50		
		3/8	CL3-D38	0.28	0.71	0.43	1"	0.39	3.13	0.41	WHITE	200/50		
		1/2	CL3-DN	0.28	0.83	0.55	1 3/4"	0.47	4.07	0.52		200/50		
		1/4	CL2-D14	0.30	0.67	0.28	5/8"	0.24	2.40	0.25	BROWN	200/50		
		1/4	CL2-D141	0.30	0.67	0.28	3/4"	0.24	2.52	0.25		200/50		
		3/8	CL2-D38	0.30	0.75	0.43	1"	0.39	3.09	0.41		100/50		
		3/8	CL2-DN38	0.30	0.75	0.43	1 3/4"	0.39	3.84	0.41		100/50		
		1/2	CL2-DN	0.30	0.83	0.55	1 3/4"	0.47	4.04	0.52		100/50		
		1/4	CL1-D14	0.35	0.67	0.28	5/8"	0.24	2.48	0.25	GREEN	200/50		
		1/4	CL1-D141	0.35	0.67	0.28	3/4"	0.24	2.60	0.25		200/50		
		3/8	CL1-D38	0.35	0.75	0.43	1"	0.39	3.17	0.41		100/25		
		1/2	CL1-DN	0.35	0.83	0.55	1 3/4"	0.47	4.11	0.52		100/25		
		1/4	CL1/0-D14	0.39	0.75	0.31	5/8"	0.28	2.68	0.25	PINK	100/25		
		1/4	CL1/0-D141	0.39	0.75	0.31	3/4"	0.28	2.80	0.25		100/25		
		3/8	CL1/0-D38	0.39	0.79	0.43	1"	0.39	3.29	0.41		100/25		
		1/2	CL1/0-DN	0.39	0.83	0.55	1 3/4"	0.47	4.23	0.52		100/25		
		1/4	CL2/0-D14	0.44	0.83	0.31	5/8"	0.28	2.99	0.25	BLACK	60/30		
		1/4	CL2/0-D141	0.44	0.83	0.31	3/4"	0.28	3.11	0.25		60/30		
		3/8	CL2/0-D38	0.44	0.83	0.43	1"	0.39	3.60	0.41		60/30		
		1/2	CL2/0-DN	0.44	0.87	0.55	1 3/4"	0.47	4.55	0.52		60/30		
		1/4	CL3/0-D141	0.49	0.91	0.31	3/4"	0.28	3.23	0.25	ORANGE	60/30		
		3/8	CL3/0-D38	0.49	0.91	0.43	1"	0.39	3.72	0.41		60/30		
		1/2	CL3/0-DN	0.49	0.94	0.55	1 3/4"	0.47	4.67	0.52		60/30		
		1/4	CL4/0-D141	0.53	0.98	0.51	3/4"	0.43	3.70	0.25	PURPLE	50/25		
		3/8	CL4/0-D38	0.53	0.98	0.43	1"	0.39	3.84	0.41		50/25		
		3/8	CL4/0-DN38	0.53	0.98	0.43	1 3/4"	0.39	4.59	0.41		50/25		
		1/2	CL4/0-DN	0.53	0.98	0.55	1 3/4"	0.47	4.78	0.52		50/25		
		3/8	CL250-D38	0.60	1.12	0.43	1"	0.39	4.06	0.41	YELLOW	40/20		
		1/2	CL250-DN	0.60	1.12	0.55	1 3/4"	0.47	5.00	0.52		40/20		
		3/8	CL300-D38	0.66	1.24	0.51	1"	0.43	4.57	0.41	WHITE	30/15		
		1/2	CL300-DN	0.66	1.24	0.55	1 3/4"	0.47	5.55	0.52		30/15		
		1/4	CL350-D141	0.69	1.30	0.51	3/4"	0.43	4.31	0.25	RED	30/15		
		3/8	CL350-D38	0.69	1.30	0.51	1"	0.43	4.57	0.41		30/15		
		1/2	CL350-DN	0.69	1.30	0.55	1 3/4"	0.47	5.55	0.52		30/15		
		1/4	CL400-D141	0.76	1.40	0.51	3/4"	0.43	4.67	0.25	BLUE	20/10		
		3/8	CL400-D38	0.76	1.40	0.51	1"	0.43	4.92	0.41		20/10		
		1/2	CL400-DN	0.76	1.40	0.55	1 3/4"	0.47	5.91	0.52		20/10		
		1/4	CL500-D141	0.83	1.54	0.51	3/4"	0.43	4.70	0.25	BROWN	20/10		
		3/8	CL500-D38	0.83	1.54	0.51	1"	0.43	4.96	0.41		10/5		
		1/2	CL500-DN	0.83	1.54	0.55	1 3/4"	0.47	5.94	0.52		10/5		
		3/8	CL600-D38	0.93	1.73	0.79	1"	0.43	5.89	0.41	GREEN	20/5		
		1/2	CL600-DN	0.93	1.73	0.79	1 3/4"	0.47	6.75	0.52		20/5		
		3/8	CL750-DN38	1.02	1.89	0.79	1 3/4"	0.43	6.83	0.41	BLACK	15/5		
		3/8	CL750-D38	1.02	1.89	0.79	1"	0.43	6.08	0.41		15/5		
		1/2	CL750-DN	1.02	1.89	0.79	1 3/4"	0.47	6.95	0.52		15/5		



CL series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%. The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

CEMBRE lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

Terminals have to perform a reliable connection in applications that are subject to vibration which means the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tin plated to avoid oxidation.

The tongue is clearly marked with wire size and die index for CEMBRE tools.

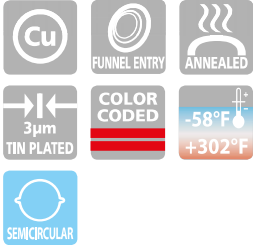
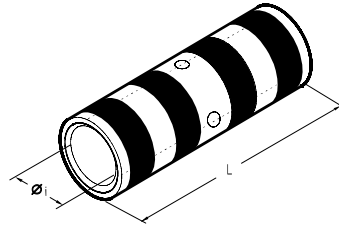
UL listed for US and Canada per UL486A up to 35 KV.

CL series lugs are an important part of CEMBRE crimping systems for power carrying conductors.

Details of the appropriate crimping tools and dies are shown on page 332.

CEMBRE technicians are available to provide technical advice as required. Please consult CEMBRE for products not listed.

long barrel - for copper conductors



BSCL range of connectors are designed for jointing low voltage conductors in heavy duty applications. Made of electrolytic copper tube with a purity greater than 99.9%, having the same dimension as C and CL series lugs, BSCL connectors are annealed and electrolytically tin plated.

They feature an internal taper at both ends to ease the introduction of the conductor and a central stop to ensure correct positioning.

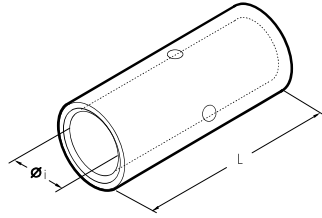
UL listed for US and Canada per UL486A up to 35 KV.

Appropriate crimping tools and dies are shown in details on page 332.

Conductor Size AWG	Type	Dimensions in.		Color Code	Quantity Box/Bag	Mechanical Tools			Hydraulic Tools		
		Øi	L			HN1	HNS	TN70SEY	B15MA	HT51	RH50
8	BSCL8	0.18	1.99	RED	600/150						
6	BSCL6	0.23	1.99	BLUE	400/100						
4	BSCL4	0.24	2.38	GREY	200/100						
3	BSCL3	0.28	2.38	WHITE	200/50						
2	BSCL2	0.30	2.38	BROWN	200/50						
1	BSCL1	0.35	2.58	GREEN	200/50						
1/0	BSCL1/0	0.39	2.87	PINK	200/50						
2/0	BSCL2/0	0.44	3.11	BLACK	100/50						
3/0	BSCL3/0	0.49	3.11	ORANGE	80/40						
4/0	BSCL4/0	0.53	3.37	PURPLE	50/25						
250 MCM	BSCL250	0.60	3.37	YELLOW	50/25						
300 MCM	BSCL300	0.66	4.11	WHITE	40/20						
350 MCM	BSCL350	0.69	4.11	RED	40/20						
400 MCM	BSCL400	0.76	4.37	BLUE	20/10						
500 MCM	BSCL500	0.83	4.61	BROWN	20/10						
600 MCM	BSCL600	0.93	5.49	GREEN	20/10						
750 MCM	BSCL750	1.02	5.87	BLACK	10/10						

THROUGH CONNECTORS

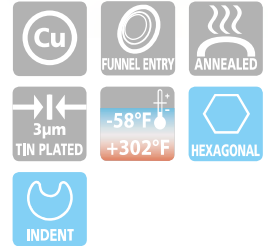
for copper conductors



Conductor Size AWG	Type	Dimensions in.		Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
		øi	L			
22 - 16	L03-M*	0.07	0.59	5,000/100	HN1	B15MA
16 - 14	L06-M*	0.09	0.59	4,000/100		
12 - 10	L1-M	0.14	0.87	2,000/100		
8	L2-M	0.18	0.98	1,000/100		
6	L3-M	0.23	1.06	500/100	HN5	B15MA
4	L5-M	0.28	1.14	500/100		
2	L7-M	0.35	1.30	400/100	HN-A25	B15MA
2-1/0	L10-M	0.39	1.46	200/50		
1/0-2/0	L14-M	0.44	1.54	200/50	TN70SEY	B15MA
2/0-3/0	L19-M	0.53	1.69	100/25		
3/0-250	L24-M	0.60	1.85	75/25	TN120 SEY	B15MA
250-300 MCM	L30-M	0.66	2.28	50/25		
300-350 MCM	L37-M	0.76	2.52	30/15	TN120 SEY	B15MA
350-500 MCM	L48-M	0.83	2.95	20/10		
500-600 MCM	L60-M	0.93	3.54	20/10	TN120 SEY	B15MA
800 MCM	L80-M	1.06	3.70	15/5		
1000 MCM	L100-M	1.19	3.86	12/1	TN120 SEY	B15MA
1250 MCM	L120-M*	1.31	4.13	10/1		
1500 MCM	L160-M*	1.50	4.41	6/1	TN120 SEY	B15MA
2000 MCM	L200-M*	1.73	4.72	6/1		

*Not UL approved

L-M



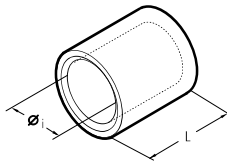
L-M range of connectors are designed for jointing low voltage conductors.

Made of electrolytic copper tube with a purity greater than 99.9%, having the same dimension as A-M series lugs: L-M connectors are annealed and electrolytically tin plated.

They feature an internal taper at both ends to ease the introduction of the conductor and a central stop to ensure correct positioning. Details of the appropriate crimping tools and dies are shown on pages 334 to 335.

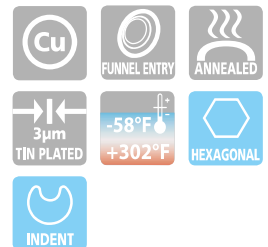
PARALLEL CONNECTORS

for copper conductors



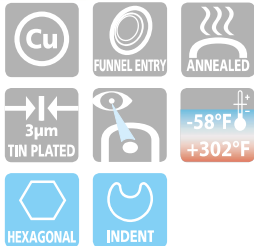
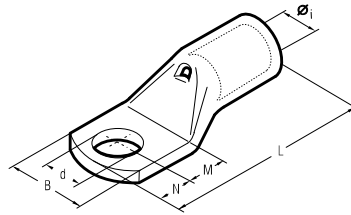
Conductor Size AWG	Type	Dimensions in.		Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
		øi	L			
22 - 16	L03-P	0.07	0.24	8,000/100	HN1	B15MA
16 - 14	L06-P	0.09	0.24	5,000/100		
12 - 10	L1-P	0.14	0.35	3,000/100		
8	L2-P	0.18	0.41	2,000/100		
6	L3-P	0.23	0.45	1,500/100	HN5	B15MA
4	L5-P	0.28	0.51	1,000/100		
2	L7-P	0.35	0.55	500/100	HN-A25	B15MA
2-1/0	L10-P	0.39	0.63	500/100		
1/0-2/0	L14-P	0.44	0.71	500/100	TN70SEY	B15MA
2/0-3/0	L19-P	0.53	0.75	200/50		
3/0-250	L24-P	0.60	0.87	200/50	TN120 SEY	B15MA
250-300 MCM	L30-P	0.66	1.04	100/50		
300-350 MCM	L37-P	0.76	1.04	100/50	TN120 SEY	B15MA
350-500 MCM	L48-P	0.83	1.34	60/15		
500-600 MCM	L60-P	0.93	1.69	50/25	TN120 SEY	B15MA

L-P



Made of electrolytic copper tube with a purity greater than 99.9%, having the same dimensions as A-M series lugs, L-P connectors are annealed and electrolytically tin plated. They feature an internal taper to ease the introduction of the conductor.

Details of the appropriate crimping tools and dies are shown on pages 334 to 335.



A-M series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

CEMBRE lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation. Terminals have to perform a reliable connection in applications that are subject to vibration which means the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor, while the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tin plated to avoid oxidation. A-M series lugs form an important part of CEMBRE crimping systems for power carrying conductors, details of the appropriate crimping tools and dies are shown opposite and in detail on pages 334 to 335.

Our technicians are always available to provide any technical advice which may be required.

The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

Crimping lugs with two or more holes can be supplied on request.

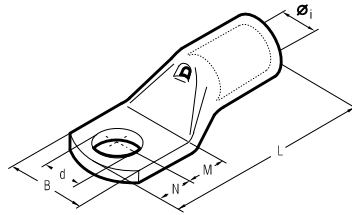
Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools			Hydraulic Tools								
			ØI	B	M	N	L	d													
22 - 16	#4	A03-M3*	0.07	0.24	0.18	0.14	0.63	0.13	5,000/100	HN1											
	#6	A03-M3.5*	0.07	0.26	0.18	0.14	0.63	0.15	5,000/100												
	#8	A03-M4*	0.07	0.26	0.20	0.16	0.67	0.17	5,000/100												
	#10	A03-M5*	0.07	0.30	0.22	0.18	0.71	0.21	5,000/100												
	1/4"	A03-M6*	0.07	0.35	0.24	0.20	0.75	0.25	5,000/100												
16 - 14	#4	A06-M3*	0.09	0.24	0.18	0.14	0.67	0.13	4,000/100												
	#6	A06-M3.5*	0.09	0.26	0.18	0.14	0.67	0.15	4,000/100												
	#8	A06-M4*	0.09	0.30	0.20	0.16	0.71	0.17	4,000/100												
	#10	A06-M5*	0.09	0.33	0.22	0.18	0.75	0.21	4,000/100												
	1/4"	A06-M6*	0.09	0.35	0.24	0.20	0.79	0.25	4,000/100												
12 - 10	5/16"	A06-M8*	0.09	0.47	0.35	0.31	1.02	0.33	2,500/100												
	#4	A1-M3	0.14	0.30	0.18	0.14	0.81	0.13	2,000/100												
	#6	A1-M3.5	0.14	0.30	0.18	0.14	0.81	0.15	2,000/100												
	#8	A1-M4	0.14	0.31	0.20	0.16	0.85	0.17	2,000/100												
	#10	A1-M5	0.14	0.35	0.26	0.24	0.98	0.21	2,000/100												
	1/4"	A1-M6	0.14	0.43	0.28	0.24	1.00	0.25	1,500/100												
	5/16"	A1-M8	0.14	0.55	0.35	0.31	1.16	0.33	1,500/100												
	3/8"	A1-M10	0.14	0.65	0.43	0.39	1.34	0.41	1,000/100												
	#8	A2-M4	0.18	0.39	0.20	0.16	0.89	0.17	1,500/100												
	#10	A2-M5	0.18	0.39	0.26	0.24	1.02	0.21	1,000/100												
	1/4"	A2-M6	0.18	0.43	0.28	0.24	1.04	0.25	1,000/100												
8	5/16"	A2-M8	0.18	0.59	0.35	0.31	1.20	0.33	1,000/100												
	3/8"	A2-M10	0.18	0.71	0.43	0.39	1.36	0.41	500/100												
	1/2"	A2-M12	0.18	0.75	0.55	0.47	1.56	0.52	500/100												
	#8	A3-M4	0.23	0.45	0.20	0.16	1.00	0.17	1,000/100												
	#10	A3-M5	0.23	0.45	0.26	0.24	1.14	0.21	1,000/100												
6	1/4"	A3-M6	0.23	0.45	0.28	0.24	1.16	0.25	1,000/100												
	5/16"	A3-M8	0.23	0.59	0.35	0.31	1.32	0.33	500/100												
	3/8"	A3-M10	0.23	0.71	0.43	0.39	1.48	0.41	500/100												
	1/2"	A3-M12	0.23	0.79	0.55	0.47	1.73	0.52	500/100												
4	#8	A5-M4	0.28	0.55	0.20	0.16	1.10	0.17	500/100												
	#10	A5-M5	0.28	0.55	0.26	0.24	1.24	0.21	500/100												
	1/4"	A5-M6	0.28	0.55	0.28	0.24	1.26	0.25	500/100												
	5/16"	A5-M8	0.28	0.59	0.35	0.31	1.42	0.33	500/100												
	3/8"	A5-M10	0.28	0.71	0.43	0.39	1.57	0.41	500/100												
2	1/2"	A5-M12	0.28	0.83	0.55	0.47	1.77	0.52	400/100												
	#10	A7-M5	0.35	0.67	0.26	0.24	1.34	0.21	400/100												
	1/4"	A7-M6	0.35	0.67	0.28	0.24	1.36	0.25	400/100												
	5/16"	A7-M8	0.35	0.67	0.35	0.31	1.52	0.33	400/100												
	3/8"	A7-M10	0.35	0.75	0.43	0.39	1.67	0.41	300/100												
2 - 1/0	1/2"	A7-M12	0.35	0.83	0.55	0.47	1.87	0.52	200/50												
	1/4"	A10-M6	0.39	0.75	0.31	0.28	1.52	0.25	200/50												
	5/16"	A10-M8	0.39	0.75	0.35	0.31	1.59	0.33	200/50												
	3/8"	A10-M10	0.39	0.79	0.45	0.37	1.75	0.41	200/50												
	1/2"	A10-M12	0.39	0.83	0.47	0.47	1.87	0.52	200/50												
1/0	9/16"	A10-M14	0.39	0.98	0.63	0.55	2.18	0.59	200/50												
	5/8"	A10-M16	0.39	1.02	0.71	0.63	2.34	0.67	100/50												
	1/4"	A14-M6	0.44	0.83	0.31	0.28	1.73	0.25	200/50												
	5/16"	A14-M8	0.44	0.83	0.35	0.31	1.81	0.33	200/50												
	3/8"	A14-M10	0.44	0.83	0.43	0.39	1.97	0.41	200/50												
2/0	1/2"	A14-M12	0.44	0.87	0.55	0.47	2.17	0.52	150/50												
	9/16"	A14-M14	0.44	0.98	0.63	0.55	2.32	0.59	100/50												
	5/8"	A14-M16	0.44	1.02	0.71	0.63	2.48	0.67	100/50												

*Not UL approved

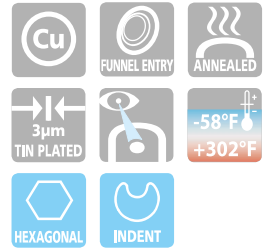
COPPER TUBE CRIMPING LUGS

for copper conductors

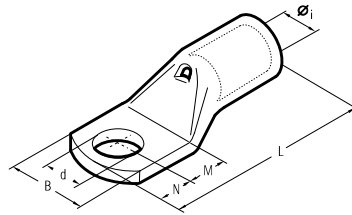
A-M



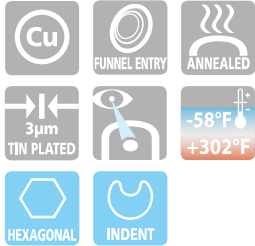
Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools	
			Øi	B	M	N	L	d				
2/0 3/0	1/4"	A19-M6	0.53	0.98	0.31	0.28	1.99	0.25	100/25	TNI 205EY HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND HT81-UD RHU81-D B1300L-CA and similar tools for U dies ECW-H3D RHU520	
	5/16"	A19-M8	0.53	0.98	0.35	0.31	2.07	0.33	100/25			
	3/8"	A19-M10	0.53	0.98	0.43	0.39	2.22	0.41	100/25			
	1/2"	A19-M12	0.53	0.98	0.55	0.47	2.42	0.52	100/25			
	9/16"	A19-M14	0.53	0.98	0.63	0.55	2.58	0.59	100/25			
	5/8"	A19-M16	0.53	1.06	0.71	0.63	2.74	0.67	50/25			
3/0 250	3/4"	A19-M20	0.53	1.16	0.87	0.79	3.05	0.83	50/25			
	5/16"	A24-M8	0.60	1.12	0.35	0.31	2.13	0.33	75/25			
	3/8"	A24-M10	0.60	1.12	0.43	0.39	2.28	0.41	75/25			
	1/2"	A24-M12	0.60	1.12	0.55	0.47	2.48	0.52	75/25			
	9/16"	A24-M14	0.60	1.12	0.63	0.55	2.64	0.59	50/25			
	5/8"	A24-M16	0.60	1.12	0.71	0.63	2.80	0.67	50/25			
250 300 MCM	3/4"	A24-M20	0.60	1.18	0.87	0.79	3.11	0.83	50/25			
	5/16"	A30-M8	0.66	1.24	0.51	0.43	2.72	0.33	50/25			
	3/8"	A30-M10	0.66	1.24	0.51	0.43	2.72	0.41	50/25			
	1/2"	A30-M12	0.66	1.24	0.63	0.55	2.95	0.52	50/25			
	9/16"	A30-M14	0.66	1.24	0.71	0.63	3.11	0.59	50/25			
	5/8"	A30-M16	0.66	1.24	0.75	0.67	3.19	0.67	50/25			
300 350 MCM	3/4"	A30-M20	0.66	1.24	0.87	0.79	3.43	0.83	50/25			
	5/16"	A37-M8	0.76	1.40	0.51	0.43	2.99	0.33	30/15			
	3/8"	A37-M10	0.76	1.40	0.51	0.43	2.99	0.41	30/15			
	1/2"	A37-M12	0.76	1.40	0.63	0.55	3.23	0.52	30/15			
	9/16"	A37-M14	0.76	1.40	0.71	0.63	3.39	0.59	30/15			
	5/8"	A37-M16	0.76	1.40	0.75	0.67	3.46	0.67	30/15			
350 500 MCM	3/4"	A37-M20	0.76	1.40	0.87	0.79	3.70	0.83	30/15			
	5/16"	A48-M8	0.83	1.54	0.51	0.43	3.05	0.33	20/10			
	3/8"	A48-M10	0.83	1.54	0.51	0.43	3.05	0.41	20/10			
	1/2"	A48-M12	0.83	1.54	0.55	0.47	3.13	0.52	20/10			
	9/16"	A48-M14	0.83	1.54	0.71	0.63	3.62	0.59	20/10			
	5/8"	A48-M16	0.83	1.54	0.75	0.67	3.70	0.67	20/10			
500 600 MCM	3/4"	A48-M20	0.83	1.54	0.87	0.79	3.94	0.83	20/10			
	3/8"	A60-M10	0.93	1.73	0.79	0.43	3.78	0.41	20/10			
	1/2"	A60-M12	0.93	1.73	0.79	0.55	3.90	0.52	20/10			
	9/16"	A60-M14	0.93	1.73	0.87	0.63	4.06	0.59	20/10			
	5/8"	A60-M16	0.93	1.73	0.87	0.75	4.17	0.67	20/10			
	3/4"	A60-M20	0.93	1.73	0.94	0.91	4.41	0.83	20/10			
800 MCM	1/2"	A80-M12	1.06	2.01	0.87	0.75	4.45	0.52	15/5			
	9/16"	A80-M14	1.06	2.01	0.87	0.75	4.45	0.59	15/5			
	5/8"	A80-M16	1.06	2.01	0.87	0.75	4.45	0.67	15/5			
	3/4"	A80-M20	1.06	2.01	0.94	0.91	4.68	0.83	15/5			
	5/8"	A100-M16	1.19	2.22	0.87	0.75	4.61	0.67	10/1			
	3/4"	A100-M20	1.19	2.22	0.94	0.91	4.84	0.83	10/1			
1250 MCM	5/8"	A120-M16*	1.31	2.43	0.87	0.75	5.04	0.67	9/1			
	3/4"	A120-M20*	1.31	2.43	0.94	0.91	5.28	0.83	9/1			
1500 MCM	5/8"	A160-M16*	1.50	2.83	0.94	0.75	5.55	0.67	5/1			
	3/4"	A160-M20*	1.50	2.83	0.94	0.91	5.71	0.83	6/1			
2000 MCM	5/8"	A200-M16*	1.73	3.15	0.94	0.75	6.22	0.67	5/1			
	3/4"	A200-M20*	1.73	3.15	0.94	0.91	6.38	0.83	5/1			



*Not UL approved



for fine stranded
SPECIAL
flexible conductors



These lugs are particularly recommended for use with extra flexible conductors on welding machines. A-M series lugs are designed to suit panel applications.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

A-M series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%, annealed to guarantee optimum ductility and electrolytically tin plated to avoid oxidation.

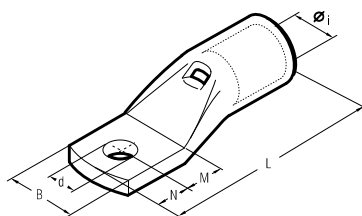
The presence of an inspection hole facilitates full insertion of the conductor.

Details of the appropriate crimping tools and dies are shown on pages 334 to 335.

Conductor Size Extra Flexible AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools																
			Øi	B	M	N	L	d																			
2	1/4"	A9-M6/15	0.37	0.59	0.31	0.28	1.52	0.25	400/100	TN70SEY	TN120SEY	HT45-E B450ND-BVA	HT51 RH50 B500A B500NDA B550CA	RH60C HT60C B600CA B600CND	HT81-UD RHU81-D	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520									
	5/16"	A9-M8	0.37	0.67	0.35	0.31	1.59	0.33	400/100																		
	3/8"	A9-M10	0.37	0.73	0.43	0.39	1.75	0.41	300/100																		
	1/2"	A9-M12	0.37	0.83	0.55	0.47	1.95	0.52	200/50																		
1/0	1/4"	A12-M6/15	0.43	0.59	0.31	0.28	1.59	0.25	200/50																		
	5/16"	A12-M8	0.43	0.76	0.35	0.31	1.67	0.33	200/50																		
	3/8"	A12-M10	0.43	0.76	0.43	0.39	1.83	0.41	200/50																		
	3/8"	A12-M10/19	0.43	0.75	0.43	0.39	1.83	0.41	200/50																		
2/0	1/2"	A12-M12	0.43	0.87	0.55	0.47	2.03	0.52	200/50																		
	1/4"	A17-M6	0.51	0.91	0.31	0.28	1.77	0.25	200/50																		
	5/16"	A17-M8	0.51	0.91	0.35	0.31	1.85	0.33	150/50																		
	3/8"	A17-M10	0.51	0.91	0.43	0.39	2.01	0.41	150/50																		
3/0	3/8"	A17-M10/19	0.51	0.75	0.43	0.39	2.01	0.41	200/50																		
	1/2"	A17-M12	0.51	0.91	0.55	0.47	2.20	0.52	150/50																		
	9/16"	A17-M14	0.51	0.98	0.61	0.47	2.26	0.59	150/25																		
	5/8"	A17-M16	0.51	1.06	0.65	0.53	2.36	0.67	100/25																		
250 MCM	5/16"	A20-M8	0.59	1.06	0.35	0.31	1.97	0.33	100/25																		
	3/8"	A20-M10	0.59	1.06	0.43	0.39	2.13	0.41	100/25																		
	1/2"	A20-M12	0.59	1.06	0.55	0.47	2.32	0.52	100/25																		
	9/16"	A20-M14	0.59	1.06	0.61	0.47	2.38	0.59	100/25																		
300 MCM	5/8"	A20-M16	0.59	1.06	0.65	0.53	2.48	0.67	100/25																		
	5/16"	A29-M8	0.65	1.18	0.35	0.31	2.11	0.33	100/25																		
	3/8"	A29-M10	0.65	1.18	0.43	0.39	2.26	0.41	50/25																		
	1/2"	A29-M12	0.65	1.18	0.55	0.47	2.46	0.52	50/25																		
350 MCM	9/16"	A29-M14	0.65	1.18	0.61	0.47	2.52	0.59	100/25																		
	5/8"	A29-M16	0.65	1.18	0.65	0.53	2.62	0.67	100/25																		
	3/4"	A29-M20	0.65	1.18	0.87	0.79	3.09	0.83	75/25																		
	3/8"	A35-M10	0.76	1.35	0.51	0.43	2.58	0.41	50/25																		
300 MCM	1/2"	A35-M12	0.76	1.35	0.63	0.55	2.81	0.52	50/25																		
	9/16"	A35-M14	0.76	1.35	0.71	0.63	2.97	0.59	50/25																		
	5/8"	A35-M16	0.76	1.35	0.75	0.67	3.05	0.67	30/15																		
	3/4"	A35-M20	0.76	1.35	0.87	0.79	3.29	0.83	30/15																		
350 MCM	3/8"	A40-M10	0.83	1.48	0.51	0.43	2.87	0.41	30/15																		
	1/2"	A40-M12	0.83	1.48	0.63	0.55	3.11	0.52	30/15																		
	9/16"	A40-M14	0.83	1.48	0.71	0.63	3.27	0.59	30/15																		
	A40-M16	0.83	1.48	0.75	0.67	3.35	0.67	30/15																			
350 MCM	3/4"	A40-M20	0.83	1.48	0.87	0.79	3.58	0.83	30/15																		

RING TONGUE TERMINALS WITH CONTAINED PALM

for L.V. circuit breakers - for copper conductors



NEW

Cond. Size Flexible AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools		Hydraulic Tools							
			Øi	B	M	N	L	d		HN5 HN-A25	TN70SEY	B15MA	HT45-E	B450ND-BVA	HT51 B550CA	RH50 B500A B500NDA	RH60C HT60C B600CA B600CND	HT81-JD RHU81-JD	B1300L-CA and similar tools for U dies
8	#10	A2-M5/9	0.18	0.35	0.26	0.24	1.02	0.21	1,000/100										
6	#10	A3-M5/9	0.23	0.35	0.26	0.24	1.20	0.21	1,000/100										
4	#10	A5-M5/9	0.28	0.35	0.26	0.24	1.24	0.21	500/100										
2	1/4"	A7B-M6/11.5*	0.35	0.45	0.31	0.28	1.44	0.25	400/100	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	RH50	RH60C	HT81-JD	B1300L-CA	ECW-H3D
2-1/0	1/4"	A10B-M6/11.5*	0.39	0.45	0.31	0.28	1.59	0.25	200/50										
1/0-2/0	1/4"	A14B-M6/11.5*	0.44	0.45	0.31	0.28	1.75	0.25	200/50										
2/0-3/0	5/16"	A19B-M8/15.5*	0.53	0.61	0.35	0.31	2.07	0.33	100/25	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	RH50	RH60C	HT81-JD	B1300L-CA	ECW-H3D
		5/16"	A19-M8/19	0.53	0.75	0.35	0.31	2.07	0.33										
3/0-250	5/16"	A24B-M8/19*	0.60	0.75	0.55	0.35	2.36	0.33	75/25	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	RH50	RH60C	HT81-JD	B1300L-CA	ECW-H3D
		3/8"	A24B-M10/19*	0.60	0.75	0.55	0.35	2.36	0.41										
250-300 MCM	5/16"	A30B-M8/19*	0.66	0.75	0.71	0.35	2.76	0.33	50/25	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	RH50	RH60C	HT81-JD	B1300L-CA	ECW-H3D
		3/8"	A30B-M10/19*	0.66	0.75	0.71	0.35	2.76	0.41										
300-350 MCM	3/8"	A37B-M10/24.5*	0.76	0.96	0.71	0.35	3.03	0.41	30/15	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	RH50	RH60C	HT81-JD	B1300L-CA	ECW-H3D
		3/8"	A48-M10/31	0.83	1.22	0.51	0.35	3.15	0.41										
350-500 MCM	1/2"	A48-M12/31	0.83	1.22	0.63	0.47	3.39	0.52	20/10	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	RH50	RH60C	HT81-JD	B1300L-CA	ECW-H3D
		5/8"	A48-M16/31	0.83	1.22	0.75	0.67	3.70	0.67										
500-600 MCM	3/8"	A60B-M10/31	0.93	1.22	0.63	0.47	3.74	0.41	20/10	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	RH50	RH60C	HT81-JD	B1300L-CA	ECW-H3D
		1/2"	A60B-M12/31	0.93	1.22	0.63	0.47	3.74	0.52										

*Without inspection hole



This range of terminals features contained palm width and has been specifically developed for application on L.V. circuit breakers with reduced space terminal blocks.

The contained palm width allows an immediate and easier installation.

CEMBRE terminals are manufactured from electrolytic copper tube with a purity greater than 99.9%.

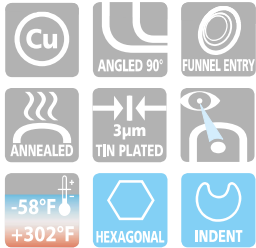
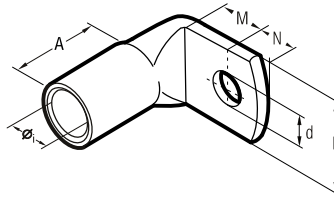
The specifically designed section of the barrel and the choice of principal dimensions are optimizing the best combination of mechanical strength and electrical conductivity.

These terminals are annealed to guarantee optimum ductility and are electrolytically tin plated to avoid oxidation.

The barrel is provided with an internal taper to ease the introduction of the conductor. Its length grants a comfortable and correct positioning between dies, during crimping operations.

Each palm is marked with the CEMBRE logo and part number.

Details of the appropriate crimping tools and dies are shown on pages 334 to 335.



A-L series lugs angled 90° are manufactured from electrolytic copper tube with a purity greater than 99.9%.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

CEMBRE lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

Terminals have to perform a reliable connection in applications that are subject to vibration which means the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor, while the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tin plated to avoid oxidation.

Details of the appropriate crimping tools and dies are shown on pages 334 to 335.

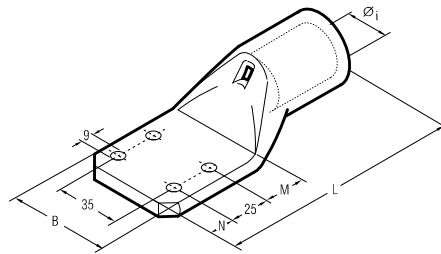
Conductor Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools		Hydraulic Tools					
			Øi	B	M	N	A	d										
12 - 10	1/4"	A1-L6*	0.14	0.43	0.28	0.24	0.31	0.25	2,000/100		HN1	HN5	HN-A25	B15MA	HT45-E	B450ND-BVA	HT51	B550CA
	#8	A2-L4	0.18	0.39	0.20	0.16	0.31	0.17	1,500/100									
	#10	A2-L5	0.18	0.39	0.26	0.24	0.31	0.21	1,000/100									
	1/4"	A2-L6	0.18	0.43	0.28	0.24	0.31	0.25	1,000/100									
	5/16"	A2-L8	0.18	0.59	0.35	0.31	0.31	0.33	500/100									
8	#10	A3-L5	0.23	0.45	0.26	0.24	0.45	0.21	1,000/100		HN5	HN-A25	TN70SEY	B15MA	HT45-E	B450ND-BVA	HT51	B550CA
	1/4"	A3-L6	0.23	0.45	0.28	0.24	0.45	0.25	1,000/100									
	5/16"	A3-L8	0.23	0.59	0.35	0.31	0.45	0.33	500/100									
	3/8"	A3-L10	0.23	0.71	0.43	0.39	0.45	0.41	500/100									
	#10	A5-L5	0.28	0.55	0.26	0.24	0.41	0.21	500/100									
6	1/4"	A5-L6	0.28	0.55	0.28	0.24	0.41	0.25	500/100		TN70SEY	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	B550CA	B500NDA
	5/16"	A5-L8	0.28	0.59	0.35	0.31	0.41	0.33	500/100									
	3/8"	A5-L10	0.28	0.71	0.43	0.39	0.41	0.41	500/100									
	1/4"	A7-L6	0.35	0.67	0.28	0.24	0.52	0.25	300/100									
	5/16"	A7-L8	0.35	0.67	0.35	0.31	0.52	0.33	300/100									
4	3/8"	A7-L10	0.35	0.75	0.43	0.39	0.52	0.41	300/100		TN70SEY	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	B550CA	B500NDA
	1/2"	A7-L12	0.35	0.83	0.55	0.47	0.52	0.52	300/100									
	1/4"	A10-L6	0.39	0.75	0.31	0.28	0.65	0.25	300/100									
	5/16"	A10-L8	0.39	0.75	0.35	0.31	0.65	0.33	200/100									
	3/8"	A10-L10	0.39	0.79	0.45	0.37	0.65	0.41	200/50									
2	1/2"	A10-L12	0.39	0.83	0.47	0.47	0.65	0.52	200/50		TN70SEY	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	B550CA	B500NDA
	5/16"	A14-L8	0.44	0.83	0.35	0.31	0.71	0.33	200/50									
	2/0	A14-L10	0.44	0.83	0.43	0.39	0.71	0.41	100/50									
	1/2"	A14-L12	0.44	0.87	0.55	0.47	0.71	0.52	100/50									
	5/8"	A14-L16	0.44	1.02	0.71	0.63	0.71	0.67	150/50									
2-1/0	5/16"	A19-L8	0.53	0.98	0.35	0.31	0.88	0.33	100/25		TN70SEY	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	B550CA	B500NDA
	3/8"	A19-L10	0.53	0.98	0.43	0.39	0.88	0.41	100/25									
	1/2"	A19-L12	0.53	0.98	0.55	0.47	0.88	0.52	100/25									
	3/0	A24-L10	0.60	1.12	0.43	0.39	0.94	0.41	50/25									
	250	A24-L12	0.60	1.12	0.56	0.47	0.94	0.52	50/25									
250-300	3/8"	A30-L10	0.66	1.24	0.51	0.43	1.04	0.41	50/25		TN70SEY	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	B550CA	B500NDA
	MCM	A30-L12	0.66	1.24	0.63	0.55	1.04	0.52	50/25									
	300-350	A37-L10	0.76	1.40	0.51	0.43	1.14	0.41	30/15									
	MCM	A37-L12	0.76	1.40	0.63	0.55	1.14	0.52	30/15									
	350-500	A48-L10	0.83	1.54	0.51	0.43	1.30	0.41	30/15									
500-600	MCM	A48-L12	0.83	1.54	0.63	0.55	1.30	0.52	20/10		TN70SEY	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51	B550CA	B500NDA
	500-600	A60-L12	0.93	1.73	0.79	0.55	1.57	0.52	20/10									
	MCM																	

*Not UL approved

COPPER TUBE LUGS 4-ESI FIXING

for copper conductors

A-4ESI



Conductor Size MCM	Type	Dimensions in.					Quantity Box/Bag	Hydraulic Tools				
		Ø	B	M	N	L						
300-350	A37-4ESI	0.76	2.40	0.79	0.59	4.88	20/10	HT51 B550CA	B500NDA	B600CA	B600CDA	B1300L-CA and similar tools for U dies ECW-H3D RHU520
500	A48-4ESI	0.83	2.40	0.79	0.59	5.04	20/10	HT51 B500A	HT60C	B600CDA	HT81-JD RHU81-D	
600	A60-4ESI	1.07	2.40	0.79	0.59	5.24	15/5	RH 50	RH60C			
800	A80-4ESI	1.06	2.40	0.79	0.59	5.28	15/5					
1000	A100-4ESI	1.19	2.40	0.79	0.59	5.47	10/5					
1250	A120-4ESI	1.31	2.40	0.79	0.59	5.67	10/5					
1500	A160-4ESI	1.50	2.40	0.79	0.59	6.22	8/1					

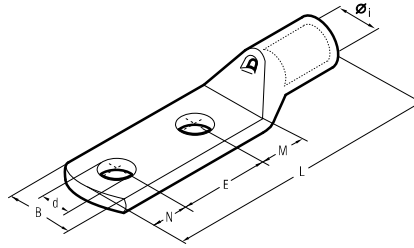


A-4ESI series lugs are made from high purity electrolytic copper tube with a purity greater than 99.9%, annealed and tin plated. The four hole stud fixing in accordance with E.A. specifications ensures compatibility with most transformer fixing arrangements.

Details of the appropriate crimping tools and dies are shown on pages 334 to 335.



for copper conductors



A-2M series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

CEMBRE lugs are annealed to guarantee optimum ductility, an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

Terminals have to perform a reliable connection in applications that are subject to vibration which means the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The presence of an inspection hole facilitates full insertion of the conductor, whilst the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tin plated to avoid oxidation.

A-2M series lugs form an important part of CEMBRE crimping systems for power carrying conductors, details of the appropriate crimping tools and dies are shown opposite and in detail on page 334 to 335, while our technicians are always available to provide any technical advice which may be required.

The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

UL listed for US and Canada per UL486A up to 35 KV.

Cond. Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools			Hydraulic Tools						
			Øi	B	M	N	E	L	d											
8	#8	A2-2M4-12	0.18	0.39	0.2	0.16	0.47	1.44	0.17	100	HN1	HN5	HN-A25							
	5/16"	A2-2M8-20	0.18	0.59	0.43	0.43	0.79	2.26	0.33	100										
6	5/16"	A3-2M8-20	0.23	0.59	0.43	0.43	0.79	2.50	0.33	50										
	1/2"	A3-2M12-40	0.23	0.79	0.55	0.47	1.57	3.30	0.52	200/50										
	5/16"	A5-2M8-20	0.28	0.59	0.35	0.43	0.79	2.32	0.33	400/100										
	5/16"	A5-2M8-24-24	0.28	0.59	0.94	0.43	0.94	3.07	0.33	300/100										
4	3/8"	A5-2M10-24-13	0.28	0.71	0.51	0.43	0.94	2.64	0.41	300/100										
	3/8"	A7-2M10-25	0.35	0.75	0.47	0.43	0.98	2.74	0.41	100										
2	1/2"	A7-2M12-25	0.35	0.83	0.63	0.55	0.98	3.01	0.52	50										
	1/2"	A7-2M12-40	0.35	0.83	0.63	0.55	1.57	3.60	0.52	150/50										
	1/4"	A10-2M6	0.39	0.75	0.31	0.43	1.75	3.50	0.25	50										
	5/16"	A10-2M8-20	0.39	0.75	0.43	0.43	0.79	2.66	0.33	100/50										
	5/16"	A10-2M8-22	0.39	0.75	0.43	0.43	0.87	2.74	0.33	150/50										
	5/16"	A10-2M8-30	0.39	0.75	0.43	0.43	1.18	3.05	0.33	150/50										
2 1/0	5/16"	A10-2M8-24-24	0.39	0.75	0.94	0.43	0.94	3.33	0.33	150/50										
	3/8"	A10-2M10-24-13	0.39	0.75	0.51	0.43	0.94	2.89	0.41	150/50										
	1/2"	A10-2M12	0.39	0.83	0.63	0.55	1.75	3.94	0.52	100/50										
	1/2"	A10-2M12-25	0.39	0.83	0.63	0.55	0.98	3.17	0.52	50										
	5/16"	A14-2M8-24-24	0.44	0.83	0.94	0.43	0.94	3.46	0.33	100/50										
	3/8"	A14-2M10-24	0.44	0.83	0.51	0.43	0.94	3.03	0.41	100/50										
1/0 2/0	1/2"	A14-2M12-25	0.44	0.87	0.63	0.55	0.98	3.31	0.52	100/50										
	1/2"	A14-2M12-30-29	0.44	0.87	1.14	0.55	1.18	4.02	0.52	100/50										
	1/2"	A14-2M12-40	0.44	0.87	0.63	0.55	1.57	3.90	0.52	100/50										
	1/4"	A19-2M6	0.53	0.98	0.39	0.43	1.75	3.98	0.25	25										
	5/16"	A19-2M8-50 S	0.53	0.98	0.59	0.59	1.97	4.55	0.33	75/25										
	3/8"	A19-2M10-24-13	0.53	0.98	0.51	0.43	0.94	3.29	0.41	75/25										
2/0 3/0	3/8"	A19-2M10-24-26	0.53	0.98	1.02	0.43	0.94	3.80	0.41	50/25										
	3/8"	A19-2M10-40	0.53	0.98	0.51	0.43	1.57	3.92	0.41	75/25										
	1/2"	A19-2M12-25	0.53	0.98	0.63	0.55	0.98	3.56	0.52	25										
	1/2"	A19-2M12-30-29	0.53	0.98	1.14	0.55	1.18	4.27	0.52	50/25										
	9/16"	A19-2M14-25	0.53	0.98	0.71	0.63	0.98	3.72	0.59	25										
	5/16"	A24-2M8-20	0.60	1.12	0.43	0.43	0.79	3.11	0.33	25										
	5/16"	A24-2M8-24-29	0.60	1.12	1.14	0.43	0.94	3.98	0.33	50/25										
	5/16"	A24B-2M8-25/19*	0.60	0.75	0.55	0.35	0.98	3.35	0.33	50/25										
	5/16"	A24B-2M8-45/19*	0.60	0.75	0.55	0.35	1.77	4.13	0.33	50/25										
	3/8"	A24-2M10	0.60	1.12	0.51	0.43	1.75	4.15	0.41	50/25										
3/0 250	3/8"	A24-2M10-22	0.60	1.12	0.51	0.43	0.87	3.27	0.41	50/25										
	3/8"	A24-2M10-25/24	0.60	0.94	0.51	0.43	0.98	3.39	0.41	50/25										
	3/8"	A24-2M10-33.5	0.60	1.12	0.51	0.43	1.32	3.72	0.41	50/25										
	3/8"	A24L-2M10-30AS	0.60	1.12	0.51	0.43	1.18	3.58	0.41	25										
	1/2"	A24-2M12-30-29	0.60	1.12	1.14	0.55	1.18	4.33	0.52	50/25										
	1/2"	A24-2M12-40	0.60	1.12	0.63	0.55	1.57	4.21	0.52	50/25										
	9/16"	A24-2M14	0.60	1.12	0.71	0.63	1.75	4.55	0.59	50/25										
	5/8"	A24-2M16	0.60	1.12	0.75	0.67	1.75	4.63	0.67	50/25										
	5/16"	A30-2M8-20	0.66	1.24	0.51	0.43	0.79	3.50	0.33	50/25										
	3/8"	A30-2M10-24-28	0.66	1.24	1.10	0.43	0.94	4.25	0.41	50/25										
250 300 MCM	1/2"	A30-2M12-30	0.66	1.24	0.63	0.55	1.18	4.13	0.52	50/25										
	1/2"	A30-2M12-30-29	0.66	1.24	1.14	0.55	1.18	4.65	0.52	30/15										
	1/2"	A30-2M12-40	0.66	1.24	0.63	0.55	1.57	4.53	0.52	30/15										
	9/16"	A30-2M14	0.66	1.24	0.71	0.63	1.75	4.86	0.59	50/25										
	9/16"	A30-2M14-33.5	0.66	1.24	0.71	0.63	1.32	4.43	0.59	50/25										
	3/8"	A37-2M10-25	0.76	1.40	0.51	0.43	0.98	3.98	0.41	30/15										
	1/2"	A37-2M12	0.76	1.40	0.63	0.55	1.75	4.98	0.52	30/15										
	1/2"	A37-2M12-32	0.76	1.40	0.63	0.55	1.26	4.49	0.52	30/15										
300 350 MCM	1/2"	A37-2M12-30-31	0.76	1.40	1.22	0.55	1.18	5.00	0.52	30/15										
	9/16"	A37-2M14	0.76	1.40	0.71	0.63	1.75	5.14	0.59	30/15										
	9/16"	A37-2M14-35	0.76	1.40	0.71	0.63	1.38	4.76	0.59	15										
	5/8"	A37-2M16-40	0.76	1.40	0.75	0.67	1.57	5.04	0.67	15										

*Contained palm, without inspection hole

DOUBLE HOLE COPPER TUBE CRIMPING LUGS

for copper conductors

A-2M



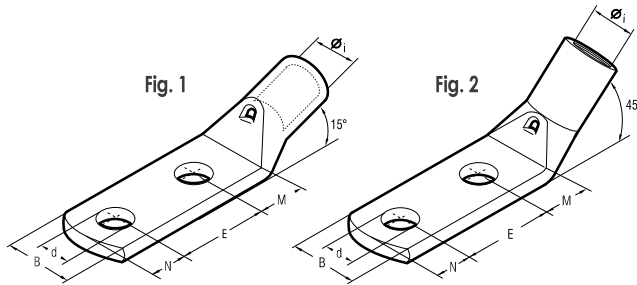
Cond. Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Hydraulic Tools					
			Øi	B	M	N	E	L	d							
300 350 MCM	3/8"	A48-2M10-20	0.83	1.54	0.51	0.43	0.79	4.02	0.41	15	HT51 B550CA RH50 B500A B500NDA RH60C B600CA B600CND HT81-UD RHU81-D B1300L-CA and similar tools for U dies ECW-H3D RHU520					
	3/8"	A48-2M10-35	0.83	1.54	0.51	0.43	1.38	4.61	0.41	15						
	1/2"	A48-2M12	0.83	1.54	0.63	0.55	1.75	5.22	0.52	30/15						
	1/2"	A48-2M12-35	0.83	1.54	0.63	0.55	1.38	4.84	0.52	30/15						
	1/2"	A48-2M12-40	0.83	1.54	0.63	0.55	1.57	5.04	0.52	30/15						
	1/2"	A48-2M12-30-31	0.83	1.54	1.22	0.55	1.18	5.24	0.52	20/10						
500 600 MCM	9/16"	A48-2M14	0.83	1.54	0.71	0.63	1.75	5.37	0.59	30/15						
	9/16"	A48-2M14-40	0.83	1.54	0.71	0.63	1.57	5.20	0.59	30/15						
	1/2"	A60-2M12	0.93	1.73	0.79	0.55	1.75	5.65	0.52	20/5						
	1/2"	A60-2M12-40	0.93	1.73	0.79	0.55	1.57	5.47	0.52	20/5						
	1/2"	A60-2M12-30-38	0.93	1.73	1.50	0.55	1.18	5.79	0.52	20/5						
	9/16"	A60-2M14	0.93	1.73	0.87	0.63	1.75	5.81	0.59	20/5						
800 MCM	5/8"	A60-2M16-40	0.93	1.73	0.87	0.67	1.57	5.67	0.67	20/5						
	5/8"	A60-2M16	0.93	1.73	0.87	0.67	1.75	5.85	0.67	20/5						
	5/8"	A60-2M16-35	0.93	1.73	0.87	0.67	1.38	5.47	0.67	20/5						
	1/2"	A80-2M12	1.06	2.01	0.87	0.55	1.75	6.00	0.52	10/5						
	9/16"	A80-2M14	1.06	2.01	0.87	0.63	1.75	6.08	0.59	15/5						
	9/16"	A80-2M14-40	1.06	2.01	0.87	0.63	1.57	5.91	0.59	15/5						
500 - 600 MCM	5/8"	A80-2M16-40	1.06	2.01	0.87	0.75	1.57	6.02	0.67	15/5						
	5/8"	A80B-2M16-40*	1.06	2.01	0.87	0.75	1.57	6.02	0.67	5						
	5/8"	A80-2M16-50	1.06	2.01	0.87	0.75	1.97	6.42	0.67	5						

*Without inspection hole

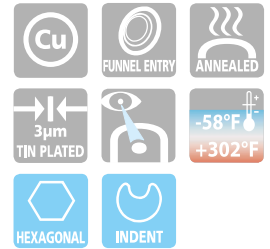
DOUBLE HOLE COPPER TUBE CRIMPING LUGS

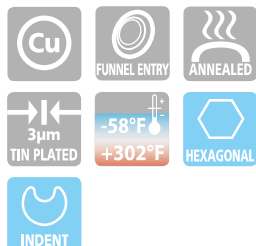
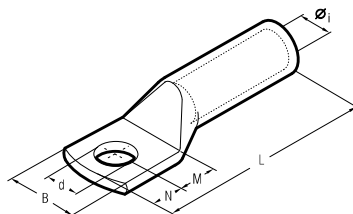
angled 315° and 345° for copper conductors

A-2M



Cond. Size AWG	Ø Stud in.	Type	Fig. N.	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools																	
				Øi	B	M	N	E	d																				
4	5/16"	A5-2M8-24-24/345	1	0.28	0.59	0.94	0.43	0.94	0.33	300/100	HN-A25	TN70SEY	TN120SEY	HT45-E B450ND-BVA	HT51 B550CA	RH50 B500A B500NDA	RH60C B600CA B600CND	HT81-UD RHU81-D	B1300L-CA and similar tools for U dies	ECW-H3D									
	1/2"	A5-2M12-30-29/345	1	0.28	0.83	1.14	0.55	1.18	0.52	200/100																			
2 - 1/0	5/16"	A10-2M8-24-24/345	1	0.39	0.75	0.94	0.43	0.94	0.33	150/50																			
	5/16"	A14-2M8-24-24/345	1	0.44	0.83	0.94	0.43	0.94	0.33	100/50																			
1/0	3/8"	A14-2M10-24-26/315	2	0.44	0.83	1.02	0.43	0.94	0.41	100/50																			
	3/8"	A14-2M10-24-26/345	1	0.44	0.83	1.02	0.43	0.94	0.41	100/50																			
2/0	1/2"	A14-2M12-30-29/345	1	0.44	0.87	1.14	0.55	1.18	0.52	100/50																			
	5/16"	A19-2M8-24-24/345	1	0.53	0.98	0.94	0.43	0.94	0.33	75/25																			
3/0	3/8"	A19-2M10-24-26/345	1	0.53	0.98	1.02	0.43	0.94	0.41	25																			
	1/2"	A19-2M12-30-29/345	1	0.53	0.98	1.14	0.55	1.18	0.52	75/25																			
250 - 300 MCM	5/16"	A24-2M8-24-29/345	1	0.60	1.12	1.14	0.43	0.94	0.33	50/25																			
	3/8"	A24-2M10-24-29/345	1	0.60	1.12	1.14	0.43	0.94	0.41	50/25																			
	1/2"	A24-2M12-30-29/345	1	0.60	1.12	1.14	0.55	1.18	0.52	50/25																			
300 - 350 MCM	5/16"	A30-2M8-24-29/345	1	0.66	1.24	1.14	0.43	0.94	0.33	30/15																			
	3/8"	A30-2M10-24-28/345	1	0.66	1.24	1.10	0.43	0.94	0.41	50/25																			
	1/2"	A30-2M12-30-29/345	1	0.66	1.24	1.14	0.55	1.18	0.52	40/20																			
300 - 350 MCM	3/8"	A37-2M10-25/315	2	0.76	1.40	0.51	0.43	0.98	0.41	15																			
	1/2"	A37-2M12-30-31/345	1	0.76	1.40	1.22	0.55	1.18	0.52	30/15																			
	1/2"	A48-2M12/345	1	0.83	1.54	0.63	0.55	1.75	0.52	20/10																			
300 - 350 MCM	1/2"	A48-2M12-30/45	1	0.83	1.54	0.63	0.55	1.18	0.52	20/10																			
	1/2"	A48-2M12-30-31/345	1	0.83	1.54	1.22	0.55	1.18	0.52	20/10																			
500 - 600 MCM	1/2"	A60-2M12-30-38/345	1	0.93	1.73	1.50	0.55	1.18	0.52	20/10																			





The 2A-M series cable lugs are designed for heavy duty, for grounding structures and equipment both indoors and outdoors and for medium voltage applications up to 35 kV.

2A-M series terminals are made from high purity copper tube with a purity greater than 99.9%, and are annealed.

They feature a double length barrel for enhanced electrical and mechanical performance in heavy duty applications.

The absence of an inspection hole prevents the entry of water or moisture into the crimped joint making these terminals suitable for outdoor applications.

The terminals are electrolytically tin plated to prevent atmospheric corrosion.

Details of the appropriate crimping tools and dies are shown on pages 334 to 335.

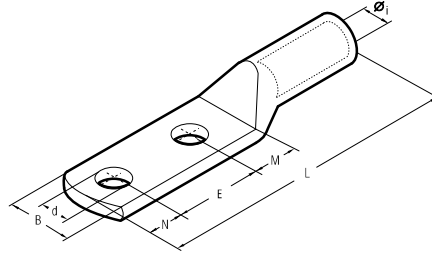
Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools		Hydraulic Tools				
			Øi	B	M	N	L	d								
6	5/16"	2A3-M8	0.23	0.59	0.35	0.31	1.71	0.33	600/100	HN5	HN425	B15WA				
	3/8"	2A3-M10	0.23	0.71	0.43	0.39	1.87	0.41	500/100							
4	5/16"	2A5-M8	0.28	0.59	0.35	0.31	2.01	0.33	400/100	HN425	TN70SEY					
	3/8"	2A5-M10	0.28	0.71	0.43	0.39	2.17	0.41	300/50							
	1/2"	2A5-M12	0.28	0.83	0.55	0.47	2.36	0.52	300/50	TN70SEY						
	5/16"	2A7-M8	0.35	0.67	0.35	0.31	2.09	0.33	200/50							
2	3/8"	2A7-M10	0.35	0.75	0.43	0.39	2.24	0.41	200/50	TN70SEY						
	1/2"	2A7-M12	0.35	0.83	0.55	0.47	2.44	0.52	200/50							
	3/8"	2A10-M10	0.39	0.79	0.43	0.39	2.48	0.41	100/50	TN70SEY						
	1/2"	2A10-M12	0.39	0.83	0.55	0.47	2.68	0.52	100/50							
2-1/0	9/16"	2A10-M14	0.39	0.98	0.63	0.55	2.83	0.59	150/50	TN120 SEY						
	5/8"	2A10-M16	0.39	1.02	0.71	0.63	2.99	0.67	150/50							
	3/8"	2A14-M10	0.44	0.83	0.43	0.39	2.76	0.41	100/50	TN120 SEY						
	1/2"	2A14-M12	0.44	0.87	0.55	0.47	2.95	0.52	100/50							
1/0-2/0	9/16"	2A14-M14	0.44	0.98	0.63	0.55	3.11	0.59	100/50	TN120 SEY						
	5/8"	2A14-M16	0.44	1.02	0.71	0.63	3.27	0.67	100/50							
	3/8"	2A19-M10	0.53	0.98	0.43	0.39	3.01	0.41	50/25	TN120 SEY						
	1/2"	2A19-M12	0.53	0.98	0.55	0.47	3.21	0.52	50/25							
2/0-3/0	9/16"	2A19-M14	0.53	0.98	0.63	0.55	3.37	0.59	75/25	TN120 SEY						
	5/8"	2A19-M16	0.53	1.06	0.71	0.63	3.56	0.67	50/25							
	3/4"	2A19-M20	0.53	1.16	0.87	0.79	3.84	0.83	50/25	TN120 SEY						
	3/8"	2A24-M10	0.60	1.12	0.43	0.39	3.23	0.41	30/15							
	1/2"	2A24-M12	0.60	1.12	0.55	0.47	3.43	0.52	30/15	TN120 SEY						
	9/16"	2A24-M14	0.60	1.12	0.63	0.55	3.58	0.59	30/15							
3/0-250	5/8"	2A24-M16	0.60	1.12	0.71	0.63	3.74	0.67	30/15	TN120 SEY						
	3/4"	2A24-M20	0.60	1.18	0.87	0.79	4.06	0.83	50/25							
	3/8"	2A30-M10	0.66	1.24	0.51	0.43	3.62	0.41	30/15	TN120 SEY						
	1/2"	2A30-M12	0.66	1.24	0.63	0.55	3.86	0.52	30/15							
250	9/16"	2A30-M14	0.66	1.24	0.71	0.63	4.02	0.59	30/15	TN120 SEY						
300	5/8"	2A30-M16	0.66	1.24	0.75	0.67	4.09	0.67	30/15							
MCM	3/4"	2A30-M20	0.66	1.24	0.87	0.79	4.33	0.83	30/15	TN120 SEY						
	1/2"	2A37-M12	0.76	1.40	0.63	0.55	4.25	0.52	20/10							
	300	9/16"	2A37-M14	0.76	1.40	0.71	0.63	4.41	0.59	30/15	TN120 SEY					
350	5/8"	2A37-M16	0.76	1.40	0.75	0.67	4.49	0.67	30/15							
MCM	3/4"	2A37-M20	0.76	1.40	0.87	0.79	4.72	0.83	30/15	TN120 SEY						
	1/2"	2A48-M12	0.83	1.54	0.63	0.55	4.29	0.52	20/5							
	350	9/16"	2A48-M14	0.83	1.54	0.71	0.63	4.45	0.59	20/5	TN120 SEY					
500	5/8"	2A48-M16	0.83	1.54	0.75	0.67	4.53	0.67	20/5							
MCM	3/4"	2A48-M20	0.83	1.54	0.87	0.79	4.76	0.83	25/5	TN120 SEY						
	1/2"	2A60-M12	0.93	1.73	0.79	0.55	5.10	0.52	15/5							
	500	9/16"	2A60-M14	0.93	1.73	0.87	0.63	5.26	0.59	15/5	TN120 SEY					
600	5/8"	2A60-M16	0.93	1.73	0.87	0.75	5.37	0.67	15/5							
MCM	3/4"	2A60-M20	0.93	1.73	0.94	0.91	5.61	0.83	15/5	TN120 SEY						
	1/2"	2A80-M12	1.06	2.01	0.87	0.75	5.51	0.52	10/5							
	800	9/16"	2A80-M14	1.06	2.01	0.87	0.75	5.51	0.59	10/5	TN120 SEY					
MCM	5/8"	2A80-M16	1.06	2.01	0.87	0.75	5.51	0.67	10/5							
	3/4"	2A80-M20	1.06	2.01	0.94	0.91	5.75	0.83	15/5	TN120 SEY						
	1000 MCM	5/8"	2A100-M16	1.19	2.22	0.87	0.75	5.55	0.67							
3/4"		2A100-M20	1.19	2.22	0.94	0.91	5.78	0.83	10/1	TN120 SEY						
1250 MCM	5/8"	2A120-M16*	1.31	2.42	0.87	0.75	6.26	0.67	20/1							
	3/4"	2A120-M20*	1.31	2.42	0.94	0.91	6.50	0.83	20/1	TN120 SEY						
1500 MCM	3/4"	2A160-M20*	1.50	2.83	0.94	0.91	7.36	0.83	12/1							
2000 MCM	3/4"	2A200-M20*	1.73	3.23	0.94	0.91	7.95	0.83	6/1	TN120 SEY						

*Not UL approved

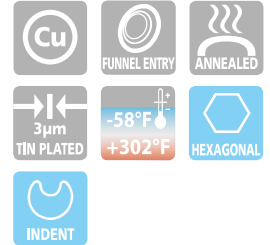
HEAVY DUTY COPPER TUBE TERMINALS

2A-2M

two hole fixing - for copper conductors



Cond. Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools	Hydraulic Tools	
			Øi	B	M	N	E	L	d				
2-1/0	1/2"	2A10-2M12	0.39	0.83	0.55	0.47	1.75	4.43	0.52	75/25	TN70SEY	TN120SEY	B450ND-BVA
1/0-2/0	1/2"	2A14-2M12	0.45	0.87	0.63	0.55	1.75	4.86	0.52	50/25			
	9/16"	2A14-2M14	0.45	0.98	0.71	0.63	1.75	5.02	0.59	75/25	TN70SEY	TN120SEY	B450ND-BVA
2/0-3/0	1/2"	2A19-2M12	0.53	0.98	0.63	0.55	1.75	5.04	0.52	50/25			
	9/16"	2A19-2M14	0.53	0.98	0.71	0.63	1.75	5.20	0.59	50/25	TN70SEY	TN120SEY	B450ND-BVA
3/0-250	1/2"	2A24-2M12	0.60	1.12	0.63	0.55	1.75	5.34	0.52	50/25			
	9/16"	2A24-2M14	0.60	1.12	0.71	0.63	1.75	5.49	0.59	50/25	TN70SEY	TN120SEY	B450ND-BVA
	5/8"	2A24-2M16	0.60	1.12	0.71	0.67	1.75	5.53	0.67	50/25			
250	1/2"	2A30-2M12	0.66	1.24	0.63	0.55	1.75	5.61	0.52	30/15	TN70SEY	TN120SEY	B450ND-BVA
300	9/16"	2A30-2M14	0.66	1.24	0.71	0.63	1.75	5.77	0.59	30/15			
MCM	5/8"	2A30-2M16*	0.66	1.24	0.75	0.67	1.75	5.85	0.67	30/15	TN70SEY	TN120SEY	B450ND-BVA
300	1/2"	2A37-2M12	0.76	1.40	0.63	0.55	1.75	6.00	0.52	30/15			
350	9/16"	2A37-2M14	0.76	1.40	0.71	0.63	1.75	6.16	0.59	30/15	TN70SEY	TN120SEY	B450ND-BVA
MCM	5/8"	2A37-2M16	0.76	1.40	0.75	0.67	1.75	6.24	0.67	30/15			
350	1/2"	2A48-2M12	0.83	1.54	0.63	0.55	1.75	6.04	0.52	20/5	TN70SEY	TN120SEY	B450ND-BVA
500	9/16"	2A48-2M14	0.83	1.54	0.71	0.63	1.75	6.20	0.59	25/5			
MCM	5/8"	2A48-2M16	0.83	1.54	0.75	0.67	1.75	6.28	0.67	25/5	TN70SEY	TN120SEY	B450ND-BVA
500	1/2"	2A60-2M12	0.93	1.73	0.79	0.55	1.75	6.85	0.52	15/5			
600	9/16"	2A60-2M14	0.93	1.73	0.87	0.63	1.75	7.01	0.59	20/5	TN70SEY	TN120SEY	B450ND-BVA
MCM	5/8"	2A60-2M16	0.93	1.73	0.75	0.67	1.75	6.93	0.67	20/5			
800	1/2"	2A80-2M12	1.06	2.01	0.79	0.55	1.75	6.99	0.52	10/5	TN70SEY	TN120SEY	B450ND-BVA
MCM	9/16"	2A80-2M14	1.06	2.01	0.87	0.63	1.75	7.15	0.59	10/5			
	5/8"	2A80-2M16	1.06	2.01	0.87	0.75	1.75	7.26	0.67	15/5	TN70SEY	TN120SEY	B450ND-BVA
1000	1/2"	2A100-2M12*	1.19	2.22	0.79	0.55	1.75	7.03	0.52	10/5			
	9/16"	2A100-2M14*	1.19	2.22	0.87	0.63	1.75	7.19	0.59	10/1	TN70SEY	TN120SEY	B450ND-BVA
MCM	5/8"	2A100-2M16*	1.19	2.22	0.87	0.75	1.75	7.30	0.67	8/1			
1250	1/2"	2A120-2M12*	1.32	2.42	0.79	0.55	1.75	7.74	0.52	15/1	TN70SEY	TN120SEY	B450ND-BVA
	9/16"	2A120-2M14*	1.32	2.42	0.87	0.75	1.75	7.89	0.59	15/1			
MCM	5/8"	2A120-2M16*	1.32	2.42	0.87	0.75	1.75	8.01	0.67	15/1	TN70SEY	TN120SEY	B450ND-BVA
1500	1/2"	2A160-2M12*	1.50	2.84	0.79	0.55	1.75	8.60	0.52	1			
	9/16"	2A160-2M14*	1.50	2.84	0.87	0.75	1.75	8.88	0.59	10/1	TN70SEY	TN120SEY	B450ND-BVA
MCM	5/8"	2A160-2M16*	1.50	2.84	0.95	0.75	1.75	8.96	0.67	10/1			
	1/2"	2A200-2M12*	1.73	3.15	0.79	0.55	1.75	9.19	0.52	6/2	TN70SEY	TN120SEY	B450ND-BVA
2000	9/16"	2A200-2M14*	1.73	3.15	0.87	0.63	1.75	9.35	0.59	1			
MCM	5/8"	2A200-2M16*	1.73	3.15	0.87	0.75	1.75	9.47	0.67	5/1	TN70SEY	TN120SEY	B450ND-BVA
	3/4"	2A200-2M20*	1.73	3.15	0.95	0.91	1.75	9.71	0.83	6/2			



The 2A-2M series cable lugs are designed for heavy duty, for grounding structures and equipment both indoors and outdoors and for medium voltage applications up to 35 kV.

2A-2M series terminals are made from high purity Copper tube with a purity greater than 99.9%, and are annealed to ensure ductility and satisfactory performance when subjected to deformation and vibration.

The tube dimensions are designed to optimize electrical conductivity and mechanical strength.

Double length barrels enhance electrical and mechanical performance in heavy duty applications. Palms feature double stud holes at standard 1.75 in. center.

Other configurations are available upon request.

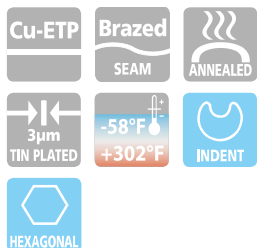
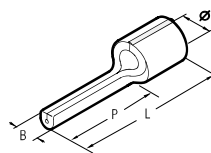
The absence of an inspection hole prevents the ingress of water or moisture into the crimped joint making these terminals suitable for outdoor applications.

Lugs are electrolytically tin plated to avoid oxidation.

Details of the appropriate crimping tools and dies are shown on pages 334 to 335.

*Not UL approved

A-PR



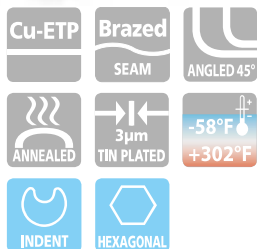
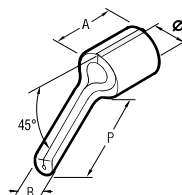
A-PR series pin connectors are designed to terminate conductors into contact blocks. They are manufactured from copper strip with a purity greater than 99.9%, rolled, brazed and tin plated. Details of the appropriate crimping tools and dies are shown on pages 334 to 335.

UNINSULATED ROUND PIN CONNECTORS

for copper conductors

Conductor Size AWG	Type	Dimensions in.				Quantity Box/Bag	Mechanical Tools				Hydraulic Tools						
		Øi	B	P	L		HN5	HN-A25	TN70SEY	TN120SEY	B15MA	HT45-E B450ND-BVA	HT51 RH50 B500A B500NDA B550CA	RH60C HT60C B600CA B600CND	B1300L-CA and similar tools for U dies	ECW-H3D	
6	A3-P22R	0.23	0.16	0.87	1.26	1,000/100											
4	A5-P22R	0.28	0.16	0.87	1.33	500/100											

A-PR/45



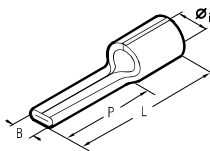
A-PR/45 series pin connectors are designed to terminate conductors into contact blocks. They are manufactured from copper strip with a purity greater than 99.9%, rolled, brazed and tin plated. Details of the appropriate crimping tools and dies are shown on pages 334 to 335.

UNINSULATED ROUND PIN CONNECTORS ANGLED 45°

for copper conductors

Conductor Size AWG	Type	Dimensions in.				Quantity Box/Bag	Mechanical Tools				Hydraulic Tools						
		Øi	B	P	A		HN5	HN-A25	TN70SEY	TN120SEY	B15MA	HT45-E	B450ND-BVA	HT51 RH50	B500A B500NDA B550CA	RH60C HT60C B600CA B600CND	B1300L-CA and similar tools for U dies
6	A3-P22R/45	0.23	0.16	0.87	0.39	1,000/100											
4	A5-P22R/45	0.28	0.16	0.87	0.46	500/100											

A-P



Cu-ETP

Brazed SEAM

ANNEALED

3μm TIN PLATED

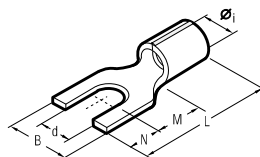
-58°F to +302°F

INDENT

HEXAGONAL

Details of the appropriate crimping tools and dies are shown on pages 334 to 335.

A-U



Cu-ETP

Brazed
SEAM

ANNEALED

3μm
TIN PLATED

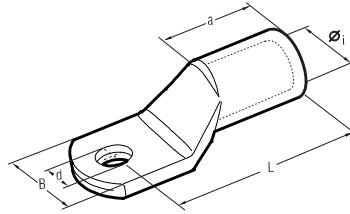
-58°F
+302°F

INDENT

HEXAGONAL

The seam is brazed to provide uniform mechanical strength. The terminal barrel is rifled to enhance electrical contact and to improve mechanical strength. Recommended crimping tools are shown on pages 334 to 335.

for copper conductors



DR-N series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%, and designed to obtain high electrical conductivity combined with the mechanical strength required to resist vibration and pull out.

CEMBRE lugs are annealed and tin plated for improved surface protection.

The annealing process optimizes the structural features of the material allowing easier crimping and greater resistance to mechanical stresses.

Dimensions are according to DIN 46235.

The barrel entrance of the lug is chamfered to allow easy conductor insertion, while its length facilitates precise positioning in the crimping die.

Each lug is marked with:

- CEMBRE logo and part code.
- conductor type and csa (AWG).
- stud Ø (in.).
- crimping die code

Details of the appropriate crimping tools and dies are shown on page 340.

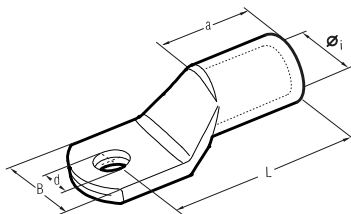
Consult us for special requirements

Conductor Size AWG	Ø Stud in.	Type	Code	Dimensions in.					Quantity Box/Bag	Mechanical Tools			Hydraulic Tools																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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10	#10	DR6-5N	5	0.15	0.21	0.98	0.33	0.39	800/100	HN-D25	TNE-D50	TNE-D120	TN60C	HT45-E	B450ND-BVA	HT51	RH50	B500A	B500NDA	B550CA	RH60C	HT60C	B600CA	B600CND	HT81-UD	RHU81-D	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	1/4"	DR6-6N	5	0.15	0.25	0.98	0.33	0.39	800/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/16"	DR6-8N*	5	0.15	0.33	0.98	0.49	0.39	800/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
8	#10	DR10-5N	6	0.18	0.21	1.1	0.35	0.51	800/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/4"	DR10-6N	6	0.18	0.25	1.1	0.35	0.51	800/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/16"	DR10-8N*	6	0.18	0.33	1.1	0.51	0.51	800/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
6	3/8"	DR10-10N*	6	0.18	0.41	1.1	0.67	0.51	800/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/4"	DR16-6N	8	0.22	0.25	1.46	0.51	0.79	400/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/16"	DR16-8N	8	0.22	0.33	1.46	0.51	0.79	400/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
4	3/8"	DR16-10N	8	0.22	0.41	1.46	0.67	0.79	400/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/2"	DR16-12N*	8	0.22	0.51	1.54	0.75	0.79	400/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/4"	DR25-6N	10	0.28	0.25	1.54	0.55	0.79	400/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
2	5/16"	DR25-8N	10	0.28	0.33	1.54	0.63	0.79	300/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/8"	DR25-10N	10	0.28	0.41	1.54	0.67	0.79	200/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/2"	DR25-12N	10	0.28	0.51	1.57	0.75	0.79	200/100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
1/0	1/4"	DR35-6N*	12	0.32	0.25	1.61	0.67	0.79	200/50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/16"	DR35-8N	12	0.32	0.33	1.69	0.67	0.79	200/50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/8"	DR35-10N	12	0.32	0.41	1.69	0.75	0.79	200/50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
2/0	1/2"	DR35-12N	12	0.32	0.51	1.69	0.83	0.79	200/50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/8"	DR35-16N*	12	0.32	0.67	1.85	1.02	0.79	200/50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/4"	DR50-6N*	14	0.39	0.25	2.09	0.79	1.1	100/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
3/0	5/16"	DR50-8N	14	0.39	0.33	2.09	0.79	1.1	100/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/8"	DR50-10N	14	0.39	0.41	2.09	0.87	1.1	100/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/2"	DR50-12N	14	0.39	0.51	2.09	0.94	1.1	100/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
250 MCM	5/8"	DR50-16N	14	0.39	0.67	2.09	1.1	1.1	100/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/16"	DR70-8N	16	0.45	0.33	2.2	0.94	1.1	50/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/8"	DR70-10N	16	0.45	0.41	2.2	0.94	1.1	50/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
350 MCM	1/2"	DR70-12N	16	0.45	0.51	2.2	0.94	1.1	50/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/8"	DR70-16N	16	0.45	0.67	2.2	1.18	1.1	50/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/4"	DR70-20N*	16	0.45	0.83	2.52	1.18	1.1	50/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
500 MCM	5/16"	DR95-8N*	18	0.53	0.33	2.6	1.1	1.38	50/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/8"	DR95-10N	18	0.53	0.41	2.6	1.1	1.38	50/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/2"	DR95-12N	18	0.53	0.51	2.6	1.1	1.38	50/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
300 MCM	5/8"	DR95-16N	18	0.53	0.67	2.6	1.26	1.38	50/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/4"	DR95-20N*	18	0.53	0.83	2.91	1.26	1.38	50/25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/16"	DR120-8N*	20	0.61	0.33	2.8	1.18	1.38	20/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
250 MCM	3/8"	DR120-10N	20	0.61	0.41	2.8	1.26	1.38	20/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/2"	DR120-12N	20	0.61	0.51	2.8	1.26	1.38	20/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/8"	DR120-16N	20	0.61	0.67	2.8	1.26	1.42	20/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
350 MCM	3/4"	DR120-20N	20	0.61	0.83	2.8	1.5	1.42	20/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/8"	DR150-10N	22	0.67	0.41	3.11	1.34	1.54	30/15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/2"	DR150-12N	22	0.67	0.51	3.11	1.34	1.54	30/15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
500 MCM	5/8"	DR150-16N	22	0.67	0.67	3.11	1.34	1.54	30/15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/4"	DR150-20N	22	0.67	0.83	3.11	1.57	1.54	30/15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/8"	DR185-10N	25	0.75	0.41	3.27	1.46	1.57	25/5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
350 MCM	1/2"	DR185-12N	25	0.75	0.51	3.27	1.46	1.57	25/5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/8"	DR185-16N	25	0.75	0.67	3.27	1.46	1.57	25/5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/4"	DR185-20N	25	0.75	0.83	3.27	1.57	1.57	25/5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
500 MCM	3/8"	DR240-10N*	28	0.85	0.41	3.62	1.65	1.81	20/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	1/2"	DR240-12N	28	0.85	0.51	3.62	1.65	1.81	20/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	5/8"	DR240-16N	28	0.85	0.67	3.66	1.65	1.81	20/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	3/4"	DR240-20N	28	0.85	0.83	3.66	1.77	1.81	20/10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

* Dimensions of the tube according to DIN 46235; Stud hole not included within the standard.

COPPER TUBE CRIMPING LUGS ACCORDING TO DIN 46235

for copper conductors



Conductor Size AWG	Ø Stud in.	Type	Code	Dimensions in.					Quantity Box/Bag	Mechanical Tools	Hydraulic Tools			
				Øi	d	L	B	a						
600 MCM	1/2"	DR300-12N*	32	0.96	0.51	3.98	1.89	2.01	10/5	TN60C RH50 B500A B500NDA	RH60C HT60C B600CA B600CND	B1300L-CA and similar tools for U dies	ECW-H3D RHU520	
	5/8"	DR300-16N	32	0.96	0.67	3.98	1.89	2.01	10/5					
	3/4"	DR300-20N	32	0.96	0.83	3.98	1.89	2.01	10/5					
800 MCM	1/2"	DR400-12N**	38	1.08	0.51	4.57	2.17	2.76	5/1	TN60C RH50 B500A B500NDA	RH60C HT60C B600CA B600CND	B1300L-CA and similar tools for U dies	ECW-H3D RHU520	
	5/8"	DR400-16N*	38	1.08	0.67	4.57	2.17	2.76	5/1					
	3/4"	DR400-20N*	38	1.08	0.83	4.57	2.17	2.76	5/1					
1000 MCM	1/2"	DR500-12N**	42	1.22	0.51	4.92	2.36	2.76	5/1	TN60C RH50 B500A B500NDA	RH60C HT60C B600CA B600CND	B1300L-CA and similar tools for U dies	ECW-H3D RHU520	
	5/8"	DR500-16N**	42	1.22	0.67	4.92	2.36	2.76	5/1					
	3/4"	DR500-20N*	42	1.22	0.83	4.92	2.36	2.76	5/1					
1250 MCM	1/2"	DR625-12N*	44	1.36	0.51	5.35	2.36	3.15	5/1	TN60C RH50 B500A B500NDA	RH60C HT60C B600CA B600CND	B1300L-CA and similar tools for U dies	ECW-H3D RHU520	
	5/8"	DR625-16N*	44	1.36	0.67	5.35	2.36	3.15	5/1					
	3/4"	DR625-20N*	44	1.36	0.83	5.35	2.36	3.15	5/1					
1500 MCM	3/4"	DR800-20N*	52	1.57	0.83	6.54	2.95	3.94	5/1	TN60C RH50 B500A B500NDA	RH60C HT60C B600CA B600CND	B1300L-CA and similar tools for U dies	ECW-H3D RHU520	
2000 MCM	3/4"	DR1000-20N*	58	1.73	0.83	6.54	3.35	3.94	5/1					

* Dimensions of the tube according to DIN 46235; Stud hole not included within the standard.

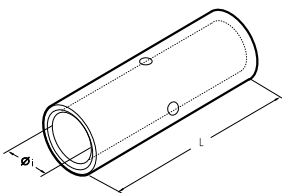
*Not UL approved



Consult us for special requirements

CRIMPING THROUGH CONNECTORS ACCORDING TO DIN 46267 T.1

for copper conductors



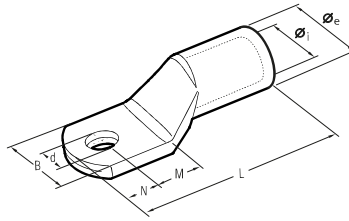
Conductor Size AWG	Type	Code	Dimensions in.		Quantity Box/Bag	Mechanical Tools	Hydraulic Tools			
			Øi	L						
10	DSV6	5	0.15	1.18	1,200/100	HN-D25 TNE-D50 TNE-D120 TN60C	B15MA HT45-E B450ND-BVA HT51 B500CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND HT81-JD RHU81-D B1300L-CA and similar tools for U dies	ECW-H3D RHU520		
8	DSV10	6	0.17	1.18	1,200/100					
6	DSV16	8	0.22	1.97	400/100					
4	DSV25	10	0.28	1.97	200/100	TN60C	RH50 B500CA RH60C HT60C B600CA B600CND	ECW-H3D RHU520		
2	DSV35	12	0.32	1.97	200/100					
1/0	DSV50	14	0.39	2.20	200/50					
2/0	DSV70	16	0.45	2.20	100/50	TN60C	RH50 B500CA RH60C HT60C B600CA B600CND	ECW-H3D RHU520		
3/0	DSV95	18	0.53	2.76	100/50					
250 MCM	DSV120	20	0.61	2.76	50/25					
300 MCM	DSV150	22	0.67	3.15	50/25	TN60C	RH50 B500CA RH60C HT60C B600CA B600CND	ECW-H3D RHU520		
350 MCM	DSV185	25	0.75	3.35	25/25					
500 MCM	DSV240	28	0.85	3.54	15/15					
600 MCM	DSV300	32	0.96	3.94	10/5	TN60C	RH50 B500CA RH60C HT60C B600CA B600CND	ECW-H3D RHU520		
800 MCM	DSV400	38	1.08	5.91	10/5					
1000 MCM	DSV500	42	1.22	6.30	5/5					
1250 MCM	DSV625	44	1.36	6.30	5/5	TN60C	RH50 B500CA RH60C HT60C B600CA B600CND	ECW-H3D RHU520		
1500 MCM	DSV800	52	1.57	7.87	5/5					
2000 MCM	DSV1000	58	1.73	7.87	5/5					

DSV



DSV series through connectors are manufactured from electrolytic copper tube with a purity greater than 99.9%, annealed and surface protected by tin plating. Internal and external dimensions match those of DR series lugs. Chamfered ends and a central stop provide easy and correct insertion of the conductor. Details of the appropriate crimping tools and dies are shown on page 340.

Consult us for special requirements



HR-N series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%, and designed to obtain high electrical conductivity combined with the mechanical strength required to resist vibration and pull out.

CEMBRE lugs are annealed and tin plated for improved surface protection.

The annealing process optimizes the structural features of the material allowing easier crimping and greater resistance to mechanical stresses.

The barrel entrance of the lug is chamfered to allow easy conductor insertion, while its length facilitates precise positioning in the crimping die.

Each lug is marked with:

- CEMBRE logo and part code.
- conductor type and csa (AWG).
- stud Ø (in.).
- crimping die code

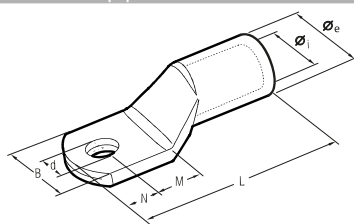
Details of the appropriate crimping tools and dies are shown on page 340.

Consult us for special requirements

Conductor Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools				Hydraulic Tools			
			Øi	Øe	B	M	N	L	d									
10	#8	HR6-4N	0.14	0.26	0.39	0.3	0.26	1.08	0.17	800/100	HN1	HN5	HN-H25	TNE-H50	B15MA	B600CND	B600CA	
	#10	HR6-5N	0.14	0.26	0.39	0.3	0.26	1.08	0.21	800/100								
	1/4"	HR6-6N	0.14	0.26	0.45	0.3	0.26	1.08	0.25	800/100								
	5/16"	HR6-8N	0.14	0.26	0.59	0.39	0.39	1.32	0.33	800/100								
	3/8"	HR6-10N	0.14	0.26	0.67	0.47	0.47	1.48	0.41	800/100								
	1/2"	HR6-12N	0.14	0.26	0.75	0.59	0.53	1.65	0.52	800/100								
8	#8	HR10-4N	0.18	0.28	0.47	0.3	0.26	1.12	0.17	600/100	HN1	HN5	HN-H25	TNE-H50	B15MA	B600CND	B600CA	
	#10	HR10-5N	0.18	0.28	0.47	0.3	0.26	1.12	0.21	600/100								
	1/4"	HR10-6N	0.18	0.28	0.47	0.3	0.26	1.12	0.25	600/100								
	5/16"	HR10-8N	0.18	0.28	0.59	0.39	0.39	1.36	0.33	600/100								
	3/8"	HR10-10N	0.18	0.28	0.67	0.47	0.47	1.52	0.41	600/100								
	1/2"	HR10-12N	0.18	0.28	0.75	0.51	0.51	1.59	0.52	600/100								
6	#10	HR16-5N	0.22	0.33	0.47	0.28	0.24	1.24	0.21	400/100	HN1	HN5	HN-H25	TNE-H50	B15MA	B600CND	B600CA	
	1/4"	HR16-6N	0.22	0.33	0.47	0.3	0.26	1.28	0.25	400/100								
	5/16"	HR16-8N	0.22	0.33	0.59	0.37	0.33	1.44	0.33	400/100								
	3/8"	HR16-10N	0.22	0.33	0.67	0.45	0.41	1.59	0.41	400/100								
	1/2"	HR16-12N	0.22	0.33	0.75	0.51	0.47	1.71	0.52	400/100								
	9/16"	HR25-14N	0.28	0.39	0.83	0.55	0.57	1.99	0.59	200/100								
4	#10	HR25-5N	0.28	0.39	0.55	0.3	0.3	1.46	0.21	400/100	HN1	HN5	HN-H25	TNE-H50	B15MA	B600CND	B600CA	
	1/4"	HR25-6N	0.28	0.39	0.55	0.3	0.3	1.46	0.25	200/100								
	5/16"	HR25-8N	0.28	0.39	0.63	0.39	0.39	1.65	0.33	200/100								
	3/8"	HR25-10N	0.28	0.39	0.71	0.47	0.47	1.81	0.41	200/100								
	1/2"	HR25-12N	0.28	0.39	0.75	0.51	0.51	1.89	0.52	200/100								
	9/16"	HR25-14N	0.28	0.39	0.83	0.55	0.57	1.99	0.59	200/100								
2	1/4"	HR35-6N	0.33	0.47	0.67	0.3	0.3	1.54	0.25	200/50	HN1	HN5	HN-H25	TNE-H50	B15MA	B600CND	B600CA	
	5/16"	HR35-8N	0.33	0.47	0.67	0.39	0.39	1.73	0.33	200/50								
	3/8"	HR35-10N	0.33	0.47	0.75	0.47	0.47	1.89	0.41	200/50								
	1/2"	HR35-12N	0.33	0.47	0.83	0.51	0.51	1.97	0.52	200/50								
	9/16"	HR35-14N	0.33	0.47	0.83	0.57	0.57	2.09	0.59	200/50								
	5/8"	HR35-16N	0.33	0.47	1.02	0.71	0.63	2.28	0.67	200/50								
1/0	1/4"	HR50-6N	0.39	0.55	0.79	0.39	0.39	1.85	0.25	100/25	HN1	HN5	HN-H25	TNE-H120 TN60C	B15MA	B600CND	B600CA	
	5/16"	HR50-8N	0.39	0.55	0.79	0.39	0.39	1.85	0.33	100/25								
	3/8"	HR50-10N	0.39	0.55	0.79	0.47	0.47	2.01	0.41	100/25								
	1/2"	HR50-12N	0.39	0.55	0.91	0.51	0.51	2.09	0.52	100/25								
	9/16"	HR50-14N	0.39	0.55	0.91	0.57	0.57	2.2	0.59	100/25								
	5/8"	HR50-16N	0.39	0.55	1.1	0.63	0.63	2.32	0.67	100/25								
2/0	3/4"	HR50-20N	0.39	0.55	1.18	0.75	0.75	2.56	0.83	100/25	HN1	HN5	HN-H25	TNE-H120 TN60C	B15MA	B600CND	B600CA	
	1/4"	HR70-6N	0.47	0.65	0.93	0.39	0.39	2.05	0.25	100/25								
	5/16"	HR70-8N	0.47	0.65	0.93	0.39	0.39	2.05	0.33	100/25								
	3/8"	HR70-10N	0.47	0.65	0.93	0.47	0.47	2.2	0.41	100/25								
	1/2"	HR70-12N	0.47	0.65	0.93	0.51	0.51	2.28	0.52	100/25								
	9/16"	HR70-14N	0.47	0.65	0.93	0.57	0.57	2.4	0.59	100/25								
3/0	5/8"	HR70-16N	0.47	0.65	1.1	0.63	0.63	2.52	0.67	100/25	HN1	HN5	HN-H25	TNE-H120 TN60C	B15MA	B600CND	B600CA	
	3/4"	HR70-20N	0.47	0.65	1.2	0.75	0.75	2.76	0.83	100/25								
	5/16"	HR95-8N	0.53	0.71	1.02	0.47	0.47	2.36	0.33	100/25								
	3/8"	HR95-10N	0.53	0.71	1.02	0.47	0.47	2.36	0.41	100/25								
	1/2"	HR95-12N	0.53	0.71	1.02	0.51	0.51	2.44	0.52	100/25								
	9/16"	HR95-14N	0.53	0.71	1.02	0.57	0.57	2.56	0.59	75/25								
250 MCM	5/8"	HR95-16N	0.53	0.71	1.1	0.63	0.63	2.68	0.67	75/25	HN1	HN5	HN-H25	TNE-H120 TN60C	B15MA	B600CND	B600CA	
	3/4"	HR95-20N	0.53	0.71	1.42	0.87	0.87	3.15	0.83	75/25								
	5/16"	HR120-8N	0.59	0.77	1.1	0.55	0.55	2.56	0.33	30/10								
	3/8"	HR120-10N	0.59	0.77	1.1	0.55	0.55	2.56	0.41	30/10								
	1/2"	HR120-12N	0.59	0.77	1.1	0.55	0.55	2.56	0.52	30/10								
	9/16"	HR120-14N	0.59	0.77	1.1	0.59	0.59	2.64	0.59	30/10								
300 MCM	5/8"	HR120-16N	0.59	0.77	1.18	0.63	0.63	2.72	0.67	30/10	HN1	HN5	HN-H25	TNE-H120 TN60C	B15MA	B600CND	B600CA	
	3/4"	HR120-20N	0.59	0.77	1.42	0.87	0.87	3.19	0.83	30/10								
	5/16"	HR150-8N	0.65	0.83	1.22	0.55	0.55	2.76	0.33	30/10								
	3/8"	HR150-10N	0.65	0.83	1.22	0.55	0.55	2.76	0.41	30/10								
	1/2"	HR150-12N	0.65	0.83	1.22	0.59	0.59	2.83	0.52	30/10								
	9/16"	HR150-14N	0.65	0.83	1.22	0.59	0.59	2.83	0.59	30/10								
	5/8"	HR150-16N	0.65	0.83	1.22	0.63	0.63	2.91	0.67	30/10	HN1	HN5	HN-H25	TNE-H120 TN60C	B15MA	B600CND	B600CA	
	3/4"	HR150-20N	0.65	0.83	1.42	0.87	0.87	3.46	0.83	30/10								

COPPER TUBE CRIMPING LUGS

for copper conductors

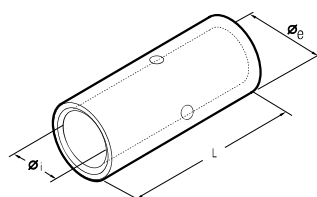


Conductor Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools	Hydraulic Tools			
			Øi	Øe	B	M	N	L	d						
350 MCM	3/8"	HR185-10N	0.75	0.94	1.38	0.71	0.71	3.27	0.41	30/10	TN60C	HT51	B550CA	B500NDA	B600CND
	1/2"	HR185-12N	0.75	0.94	1.38	0.71	0.71	3.27	0.52	30/10					
	9/16"	HR185-14N	0.75	0.94	1.38	0.71	0.71	3.27	0.59	30/10					
	5/8"	HR185-16N	0.75	0.94	1.38	0.71	0.71	3.27	0.67	30/10					
	3/4"	HR185-20N	0.75	0.94	1.54	0.87	0.87	3.58	0.83	30/10					
500 MCM	3/8"	HR240-10N	0.83	1.02	1.54	0.75	0.85	3.68	0.41	30/10		RH50	B500A	B600CA	RHU81-D
	1/2"	HR240-12N	0.83	1.02	1.54	0.75	0.85	3.68	0.52	30/10					
	9/16"	HR240-14N	0.83	1.02	1.54	0.75	0.85	3.68	0.59	30/10					
	5/8"	HR240-16N	0.83	1.02	1.54	0.75	0.85	3.68	0.67	30/10					
	3/4"	HR240-20N	0.83	1.02	1.54	0.75	0.85	3.68	0.83	30/10					
600 MCM	1/2"	HR300-12N	0.93	1.16	1.73	0.83	0.94	4.37	0.52	10/5	RH60C	HT60C	B600CA	B600CND	BT1300L-CA and similar tools for U dies
	9/16"	HR300-14N	0.93	1.16	1.73	0.83	0.94	4.37	0.59	10/5					
	5/8"	HR300-16N	0.93	1.16	1.73	0.83	0.94	4.37	0.67	10/5					
	3/4"	HR300-20N	0.93	1.16	1.73	0.83	0.94	4.37	0.83	10/5					



CRIMPING THROUGH CONNECTORS

for copper conductors

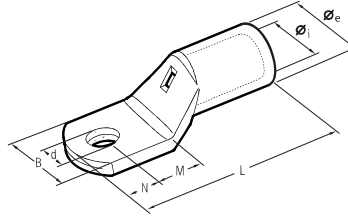


Conductor Size AWG	Type	Dimensions in.			Quantity Box/Bag	Mechanical Tools				Hydraulic Tools			
		Øi	Øe	L		HN1	HN-5	HN-H25	TNE-H50	TNE-H120	BT5MA	BT45-E	BT45ND-BVA
8	HSV10	0.18	0.28	1.18	1,200/100	TN60C	HT45-E	B450ND-BVA	HT51	B550CA	RH50	B500A	B600CA
6	HSV16	0.22	0.33	1.38	800/100								
4	HSV25	0.28	0.39	1.57	400/100								
2	HSV35	0.33	0.47	1.77	200/50								
1/0	HSV50	0.39	0.55	1.97	200/50								
2/0	HSV70	0.47	0.65	2.17	160/40	TN60C	HT45-E	B450ND-BVA	HT51	B550CA	RH50	B500A	B600CA
3/0	HSV95	0.53	0.71	2.36	80/10								
250 MCM	HSV120	0.59	0.77	2.56	80/10								
300 MCM	HSV150	0.65	0.83	2.76	80/10								
350 MCM	HSV185	0.75	0.94	2.95	40/20								
500 MCM	HSV240	0.83	1.02	3.35	40/20	TN60C	HT45-E	B450ND-BVA	HT51	B550CA	RH50	B500A	B600CA
600 MCM	HSV300	0.93	1.16	3.94	20/10								



HSV series through connectors are manufactured from electrolytic copper tube with a purity greater than 99.9%, annealed and surface protected by tin plating. Internal and external dimensions match those of HR series lugs. Chamfered ends and a central stop provide easy and correct insertion of the conductor. Details of the appropriate crimping tools and dies are shown on page 340.

Consult us for special requirements



HRS-N series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%, and designed to obtain high electrical conductivity combined with the mechanical strength required to resist vibration and pull out. CEMBRE lugs are annealed and tin plated for improved surface protection.

The annealing process optimizes the structural features of the material allowing easier crimping and greater resistance to mechanical stresses.

The barrel entrance of the lug is chamfered to allow easy conductor insertion, while its length facilitates precise positioning in the crimping die.

Each lug is marked with:

- CEMBRE logo and part code.
- conductor type and csa (AWG).
- stud Ø (in.).
- crimping die code

Details of the appropriate crimping tools and dies are shown on page 340.

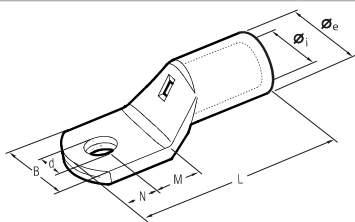
Consult us for special requirements

Conductor Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools				Hydraulic Tools	
			Øi	Øe	B	M	N	L	d		HN1	HN5	HN-H25	TNE-H50	TNE-H120	TN60C
10	#8	HRS6-4N	0.14	0.26	0.39	0.3	0.26	1.08	0.17	800/100						
	#10	HRS6-5N	0.14	0.26	0.39	0.3	0.26	1.08	0.21	800/100						
	1/4"	HRS6-6N	0.14	0.26	0.45	0.3	0.26	1.08	0.25	800/100						
	5/16"	HRS6-8N	0.14	0.26	0.59	0.39	0.39	1.32	0.33	800/100						
	3/8"	HRS6-10N	0.14	0.26	0.67	0.47	0.47	1.48	0.41	800/100						
	1/2"	HRS6-12N	0.14	0.26	0.75	0.59	0.53	1.65	0.52	800/100						
8	#8	HRS10-4N	0.18	0.28	0.47	0.3	0.26	1.12	0.17	600/100						
	#10	HRS10-5N	0.18	0.28	0.47	0.3	0.26	1.12	0.21	600/100						
	1/4"	HRS10-6N	0.18	0.28	0.47	0.3	0.26	1.12	0.25	600/100						
	5/16"	HRS10-8N	0.18	0.28	0.59	0.39	0.39	1.36	0.33	600/100						
	3/8"	HRS10-10N	0.18	0.28	0.67	0.47	0.47	1.52	0.41	600/100						
	1/2"	HRS10-12N	0.18	0.28	0.75	0.51	0.51	1.59	0.52	600/100						
6	#10	HRS16-5N	0.22	0.33	0.47	0.28	0.24	1.24	0.21	400/100						
	1/4"	HRS16-6N	0.22	0.33	0.47	0.3	0.26	1.28	0.25	400/100						
	5/16"	HRS16-8N	0.22	0.33	0.59	0.37	0.33	1.44	0.33	400/100						
	3/8"	HRS16-10N	0.22	0.33	0.67	0.45	0.41	1.59	0.41	400/100						
	1/2"	HRS16-12N	0.22	0.33	0.75	0.51	0.47	1.71	0.52	400/100						
4	#10	HRS25-5N	0.28	0.39	0.55	0.3	0.3	1.46	0.21	400/100						
	1/4"	HRS25-6N	0.28	0.39	0.55	0.3	0.3	1.46	0.25	200/100						
	5/16"	HRS25-8N	0.28	0.39	0.63	0.39	0.39	1.65	0.33	200/100						
	3/8"	HRS25-10N	0.28	0.39	0.71	0.47	0.47	1.81	0.41	200/100						
	1/2"	HRS25-12N	0.28	0.39	0.75	0.51	0.51	1.89	0.52	200/100						
	9/16"	HRS25-14N	0.28	0.39	0.83	0.55	0.57	1.99	0.59	200/100						
2	1/4"	HRS35-6N	0.33	0.47	0.67	0.3	0.3	1.54	0.25	200/50						
	5/16"	HRS35-8N	0.33	0.47	0.67	0.39	0.39	1.73	0.33	200/50						
	3/8"	HRS35-10N	0.33	0.47	0.75	0.47	0.47	1.89	0.41	200/50						
	1/2"	HRS35-12N	0.33	0.47	0.83	0.51	0.51	1.97	0.52	200/50						
	9/16"	HRS35-14N	0.33	0.47	0.83	0.57	0.57	2.09	0.59	200/50						
	5/8"	HRS35-16N	0.33	0.47	1.02	0.71	0.63	2.28	0.67	200/50						
1/0	1/4"	HRS50-6N	0.39	0.55	0.79	0.39	0.39	1.85	0.25	100/25						
	5/16"	HRS50-8N	0.39	0.55	0.79	0.39	0.39	1.85	0.33	100/25						
	3/8"	HRS50-10N	0.39	0.55	0.79	0.47	0.47	2.01	0.41	100/25						
	1/2"	HRS50-12N	0.39	0.55	0.91	0.51	0.51	2.09	0.52	100/25						
	9/16"	HRS50-14N	0.39	0.55	0.91	0.57	0.57	2.2	0.59	100/25						
	5/8"	HRS50-16N	0.39	0.55	1.1	0.63	0.63	2.32	0.67	100/25						
2/0	3/4"	HRS50-20N	0.39	0.55	1.18	0.75	0.75	2.56	0.83	100/25						
	1/4"	HRS70-6N	0.47	0.65	0.93	0.39	0.39	2.05	0.25	100/25						
	5/16"	HRS70-8N	0.47	0.65	0.93	0.39	0.39	2.05	0.33	100/25						
	3/8"	HRS70-10N	0.47	0.65	0.93	0.47	0.47	2.2	0.41	100/25						
	1/2"	HRS70-12N	0.47	0.65	0.93	0.51	0.51	2.28	0.52	100/25						
	9/16"	HRS70-14N	0.47	0.65	0.93	0.57	0.57	2.4	0.59	100/25						
3/0	5/8"	HRS70-16N	0.47	0.65	1.1	0.63	0.63	2.52	0.67	100/25						
	3/4"	HRS70-20N	0.47	0.65	1.2	0.75	0.75	2.76	0.83	100/25						
	5/16"	HRS95-8N	0.53	0.71	1.02	0.47	0.47	2.36	0.33	100/25						
	3/8"	HRS95-10N	0.53	0.71	1.02	0.47	0.47	2.36	0.41	100/25						
	1/2"	HRS95-12N	0.53	0.71	1.02	0.51	0.51	2.44	0.52	100/25						
	9/16"	HRS95-14N	0.53	0.71	1.02	0.57	0.57	2.56	0.59	75/25						
250 MCM	5/8"	HRS95-16N	0.53	0.71	1.1	0.63	0.63	2.68	0.67	75/25						
	3/4"	HRS95-20N	0.53	0.71	1.42	0.87	0.87	3.15	0.83	75/25						
	5/16"	HRS120-8N	0.59	0.77	1.1	0.55	0.55	2.56	0.33	30/10						
	3/8"	HRS120-10N	0.59	0.77	1.1	0.55	0.55	2.56	0.41	30/10						
	1/2"	HRS120-12N	0.59	0.77	1.1	0.55	0.55	2.56	0.52	30/10						
	9/16"	HRS120-14N	0.59	0.77	1.1	0.59	0.59	2.64	0.59	30/10						
300 MCM	5/8"	HRS120-16N	0.59	0.77	1.18	0.63	0.63	2.72	0.67	30/10						
	3/4"	HRS120-20N	0.59	0.77	1.42	0.87	0.87	3.19	0.83	30/10						
	5/16"	HRS150-8N	0.65	0.83	1.22	0.55	0.55	2.76	0.33	30/10						
	3/8"	HRS150-10N	0.65	0.83	1.22	0.55	0.55	2.76	0.41	30/10						
	1/2"	HRS150-12N	0.65	0.83	1.22	0.59	0.59	2.83	0.52	30/10						
	9/16"	HRS150-14N	0.65	0.83	1.22	0.59	0.59	2.83	0.59	30/10						
	5/8"	HRS150-16N	0.65	0.83	1.22	0.63	0.63	2.91	0.67	30/10						
	3/4"	HRS150-20N	0.65	0.83	1.42	0.87	0.87	3.46	0.83	30/10						

HT45-E B450ND-BVA
HT51 RH50 B500NDA B550CA HT81-UD RHU81-D RH60C HT60C B600CDA B600CA B600CDA
B1300L-CA and similar tools for U dies
ECW-H3D

COPPER TUBE CRIMPING LUGS

for copper conductors - with inspection hole



Conductor Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools	Hydraulic Tools			
			Øi	Øe	B	M	N	L	d						
350 MCM	3/8"	HRS185-10N	0.75	0.94	1.38	0.71	0.71	3.27	0.41	30/10	TN60C	HT51	B550CA	RH50	B500A
	1/2"	HRS185-12N	0.75	0.94	1.38	0.71	0.71	3.27	0.52	30/10					
	9/16"	HRS185-14N	0.75	0.94	1.38	0.71	0.71	3.27	0.59	30/10					
	5/8"	HRS185-16N	0.75	0.94	1.38	0.71	0.71	3.27	0.67	30/10					
	3/4"	HRS185-20N	0.75	0.94	1.54	0.87	0.87	3.58	0.83	30/10					
500 MCM	3/8"	HRS240-10N	0.83	1.02	1.54	0.75	0.85	3.68	0.41	30/10		HT51	B550CA	RH50	B500A
	1/2"	HRS240-12N	0.83	1.02	1.54	0.75	0.85	3.68	0.52	30/10					
	9/16"	HRS240-14N	0.83	1.02	1.54	0.75	0.85	3.68	0.59	30/10					
	5/8"	HRS240-16N	0.83	1.02	1.54	0.75	0.85	3.68	0.67	30/10					
	3/4"	HRS240-20N	0.83	1.02	1.54	0.75	0.85	3.68	0.83	30/10					
600 MCM	1/2"	HRS300-12N	0.93	1.16	1.73	0.83	0.94	4.37	0.52	10/5				RH60C	B600CA
	9/16"	HRS300-14N	0.93	1.16	1.73	0.83	0.94	4.37	0.59	10/5					
	5/8"	HRS300-16N	0.93	1.16	1.73	0.83	0.94	4.37	0.67	10/5					
	3/4"	HRS300-20N	0.93	1.16	1.73	0.83	0.94	4.37	0.83	10/5					

NEW

Cu

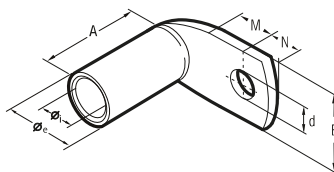
FUNNEL ENTRY

ANNEALED

3µm
TIN PLATED

-50°C
+150°C

HEXAGONAL



HR-LN series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%, and designed to obtain high electrical conductivity combined with the mechanical strength required to resist vibration and pull out.

CEMBRE lugs are annealed and tin plated for improved surface protection.

The annealing process optimizes the structural features of the material allowing easier crimping and greater resistance to mechanical stresses.

The barrel entrance of the lug is chamfered to allow easy conductor insertion, while its length facilitates precise positioning in the crimping die.

Each lug is marked with:

- CEMBRE logo and part code.
- conductor type and csa (AWG).
- stud Ø (in.).
- crimping die code

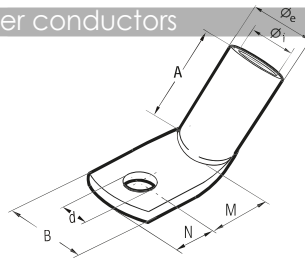
Details of the appropriate crimping tools and dies are shown on page 340.

Consult us for special requirements

Conductor Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools		Hydraulic Tools	
			Øi	Øe	B	M	N	A	d					
10	#8	HR6-L4N	0.14	0.26	0.39	0.33	0.3	0.41	0.17	400/100	HN1	HN5	HN-H25	B15MA
	#10	HR6-L5N	0.14	0.26	0.39	0.33	0.3	0.41	0.21	400/100				
	1/4"	HR6-L6N	0.14	0.26	0.45	0.33	0.3	0.41	0.25	400/100				
	5/16"	HR6-L8N	0.14	0.26	0.59	0.43	0.39	0.41	0.33	400/100				
	3/8"	HR6-L10N	0.14	0.26	0.67	0.51	0.47	0.41	0.41	400/100				
8	1/2"	HR6-L12N	0.14	0.26	0.75	0.53	0.53	0.41	0.52	400/100	HN1	HN5	HN-H25	B15MA
	#8	HR10-L4N	0.18	0.28	0.47	0.33	0.3	0.41	0.17	400/100				
	#10	HR10-L5N	0.18	0.28	0.47	0.33	0.3	0.41	0.21	400/100				
	1/4"	HR10-L6N	0.18	0.28	0.47	0.33	0.3	0.41	0.25	400/100				
	5/16"	HR10-L8N	0.18	0.28	0.59	0.43	0.39	0.41	0.33	400/100				
6	3/8"	HR10-L10N	0.18	0.28	0.67	0.51	0.47	0.41	0.41	400/100	HN1	HN5	HN-H25	B15MA
	1/2"	HR10-L12N	0.18	0.28	0.75	0.63	0.53	0.41	0.52	400/100				
	#10	HR16-L5N	0.22	0.33	0.47	0.33	0.3	0.47	0.21	400/100				
	1/4"	HR16-L6N	0.22	0.33	0.47	0.33	0.3	0.47	0.25	400/100				
	5/16"	HR16-L8N	0.22	0.33	0.59	0.43	0.39	0.47	0.33	400/100				
4	3/8"	HR16-L10N	0.22	0.33	0.67	0.51	0.47	0.47	0.41	400/100	HN1	HN5	HN-H25	B15MA
	1/2"	HR16-L12N	0.22	0.33	0.75	0.63	0.53	0.47	0.52	400/100				
	#10	HR25-L5N	0.28	0.39	0.55	0.35	0.3	0.51	0.21	400/100				
	1/4"	HR25-L6N	0.28	0.39	0.55	0.35	0.3	0.51	0.25	400/100				
	5/16"	HR25-L8N	0.28	0.39	0.59	0.43	0.39	0.51	0.33	400/100				
2	3/8"	HR25-L10N	0.28	0.39	0.71	0.51	0.47	0.51	0.41	400/100	HN1	HN5	HN-H25	B15MA
	1/2"	HR25-L12N	0.28	0.39	0.75	0.55	0.51	0.51	0.52	400/100				
	1/4"	HR35-L6N	0.33	0.47	0.67	0.35	0.3	0.61	0.25	200/50				
	5/16"	HR35-L8N	0.33	0.47	0.67	0.43	0.39	0.61	0.33	200/50				
	3/8"	HR35-L10N	0.33	0.47	0.75	0.51	0.47	0.61	0.41	200/50				
1/0	1/2"	HR35-L12N	0.33	0.47	0.83	0.55	0.51	0.61	0.52	200/50	HN1	HN5	HN-H25	B15MA
	5/8"	HR35-L16N	0.33	0.47	1.02	0.73	0.63	0.61	0.67	200/50				
	1/4"	HR50-L6N	0.39	0.55	0.79	0.43	0.39	0.73	0.25	200/50				
	5/16"	HR50-L8N	0.39	0.55	0.79	0.43	0.39	0.73	0.33	200/50				
	3/8"	HR50-L10N	0.39	0.55	0.79	0.51	0.47	0.73	0.41	200/50				
2/0	1/2"	HR50-L12N	0.39	0.55	0.83	0.55	0.51	0.73	0.52	200/50	HN1	HN5	HN-H25	B15MA
	5/8"	HR50-L16N	0.39	0.55	1.02	0.73	0.63	0.73	0.67	200/50				
	3/4"	HR50-L20N	0.39	0.55	1.18	0.79	0.75	0.73	0.83	200/50				
	1/4"	HR70-L6N	0.47	0.65	0.83	0.47	0.39	0.79	0.25	80/20				
	5/16"	HR70-L8N	0.47	0.65	0.83	0.47	0.39	0.79	0.33	80/20				
3/0	3/8"	HR70-L10N	0.47	0.65	0.83	0.51	0.47	0.79	0.41	80/20	HN1	HN5	HN-H25	B15MA
	1/2"	HR70-L12N	0.47	0.65	0.83	0.55	0.51	0.79	0.52	80/20				
	5/8"	HR70-L16N	0.47	0.65	1.1	0.72	0.63	0.79	0.67	80/20				
	3/4"	HR70-L20N	0.47	0.65	1.2	0.85	0.75	0.79	0.83	80/20				
	5/16"	HR95-L8N	0.53	0.71	1.02	0.47	0.39	0.96	0.33	80/20				
250 MCM	3/8"	HR95-L10N	0.53	0.71	1.02	0.51	0.47	0.96	0.41	80/20	HN1	HN5	HN-H25	B15MA
	1/2"	HR95-L12N	0.53	0.71	1.02	0.55	0.51	0.96	0.52	80/20				
	5/8"	HR95-L16N	0.53	0.71	1.1	0.75	0.63	0.96	0.67	80/20				
	3/4"	HR95-L20N	0.53	0.71	1.22	0.91	0.83	0.96	0.83	80/20				
	5/16"	HR120-L8N	0.59	0.77	1.14	0.55	0.55	1.00	0.33	80/20				
300 MCM	3/8"	HR120-L10N	0.59	0.77	1.14	0.55	0.55	1.00	0.41	80/20	HN1	HN5	HN-H25	B15MA
	1/2"	HR120-L12N	0.59	0.77	1.14	0.55	0.55	1.00	0.52	80/20				
	5/8"	HR120-L16N	0.59	0.77	1.22	0.59	0.63	1.00	0.67	80/20				
	3/4"	HR120-L20N	0.59	0.77	1.42	0.91	0.83	1.00	0.83	80/20				
	5/16"	HR150-L8N	0.65	0.83	1.22	0.55	0.55	1.12	0.33	40/10				
350 MCM	3/8"	HR150-L10N	0.65	0.83	1.22	0.55	0.55	1.12	0.41	40/10	HN1	HN5	HN-H25	B15MA
	1/2"	HR150-L12N	0.65	0.83	1.22	0.59	0.59	1.12	0.52	40/10				
	5/8"	HR150-L16N	0.65	0.83	1.22	0.75	0.63	1.12	0.67	40/10				
	3/4"	HR150-L20N	0.65	0.83	1.42	0.91	0.83	1.12	0.83	40/10				
	3/8"	HR185-L10N	0.75	0.94	1.38	0.75	0.63	1.24	0.41	40/10				
500 MCM	1/2"	HR185-L12N	0.75	0.94	1.38	0.75	0.63	1.24	0.52	40/10	HN1	HN5	HN-H25	B15MA
	5/8"	HR185-L16N	0.75	0.94	1.38	0.75	0.63	1.24	0.67	40/10				
	3/4"	HR185-L20N	0.75	0.94	1.46	0.91	0.83	1.24	0.83	40/10				
	3/8"	HR240-L10N	0.83	1.02	1.54	0.75	0.63	1.44	0.41	20/10				
	1/2"	HR240-L12N	0.83	1.02	1.54	0.75	0.63	1.44	0.52	20/10				
600 MCM	5/8"	HR240-L16N	0.83	1.02	1.54	0.75	0.63	1.44	0.67	20/10	HN1	HN5	HN-H25	B15MA
	3/4"	HR240-L20N	0.83	1.02	1.54	0.91	0.83	1.44	0.83	20/10				
	1/2"	HR300-L12N	0.93	1.16	1.73	0.94	0.94	1.77	0.52	10/5				
	5/8"	HR300-L16N	0.93	1.16	1.73	0.94	0.94	1.77	0.67	10/5				
	3/4"	HR300-L20N	0.93	1.16	1.73	0.94	0.94	1.77	0.83	10/5				

COPPER TUBE CRIMPING LUGS ANGLED 45°

for copper conductors



Conductor Size AWG	Ø Stud in.	Type	Dimensions in.							Quantity Box/Bag	Mechanical Tools				Hydraulic Tools			
			Øi	Øe	B	M	N	A	d									
10	#8	HR6-4/45N	0.14	0.26	0.33	0.33	0.3	0.33	0.17	400/100	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	#10	HR6-5/45N	0.14	0.26	0.39	0.33	0.3	0.41	0.21	400/100								
	1/4"	HR6-6/45N	0.14	0.26	0.45	0.33	0.3	0.41	0.25	400/100								
	5/16"	HR6-8/45N	0.14	0.26	0.59	0.43	0.39	0.41	0.33	400/100								
	3/8"	HR6-10/45N	0.14	0.26	0.67	0.51	0.47	0.41	0.41	400/100								
	1/2"	HR6-12/45N	0.14	0.26	0.75	0.63	0.53	0.41	0.52	400/100								
8	#8	HR10-4/45N	0.18	0.28	0.47	0.33	0.3	0.33	0.17	400/100	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	#10	HR10-5/45N	0.18	0.28	0.47	0.33	0.3	0.41	0.21	400/100								
	1/4"	HR10-6/45N	0.18	0.28	0.47	0.33	0.3	0.41	0.25	400/100								
	5/16"	HR10-8/45N	0.18	0.28	0.59	0.43	0.39	0.41	0.33	400/100								
	3/8"	HR10-10/45N	0.18	0.28	0.67	0.51	0.47	0.41	0.41	400/100								
	1/2"	HR10-12/45N	0.18	0.28	0.75	0.63	0.53	0.41	0.52	400/100								
6	#10	HR16-5/45N	0.22	0.33	0.47	0.33	0.3	0.47	0.21	400/100	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	1/4"	HR16-6/45N	0.22	0.33	0.47	0.33	0.3	0.47	0.25	400/100								
	5/16"	HR16-8/45N	0.22	0.33	0.59	0.43	0.39	0.47	0.33	400/100								
	3/8"	HR16-10/45N	0.22	0.33	0.67	0.51	0.47	0.47	0.41	400/100								
	1/2"	HR16-12/45N	0.22	0.33	0.75	0.63	0.53	0.47	0.52	400/100								
	#10	HR25-5/45N	0.28	0.39	0.55	0.35	0.3	0.51	0.21	400/100								
4	1/4"	HR25-6/45N	0.28	0.39	0.55	0.35	0.3	0.51	0.25	400/100	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	5/16"	HR25-8/45N	0.28	0.39	0.59	0.43	0.39	0.51	0.33	400/100								
	3/8"	HR25-10/45N	0.28	0.39	0.71	0.51	0.47	0.51	0.41	400/100								
	1/2"	HR25-12/45N	0.28	0.39	0.75	0.55	0.51	0.51	0.52	400/100								
	1/4"	HR35-6/45N	0.33	0.47	0.67	0.35	0.3	0.61	0.25	200/50								
	5/16"	HR35-8/45N	0.33	0.47	0.67	0.43	0.39	0.61	0.33	200/50								
2	3/8"	HR35-10/45N	0.33	0.47	0.75	0.51	0.47	0.61	0.41	200/50	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	1/2"	HR35-12/45N	0.33	0.47	0.83	0.55	0.51	0.61	0.52	200/50								
	5/8"	HR35-16/45N	0.33	0.47	1.02	0.73	0.63	0.61	0.67	200/50								
	1/4"	HR50-6/45N	0.39	0.55	0.79	0.43	0.39	0.73	0.25	200/50								
	5/16"	HR50-8/45N	0.39	0.55	0.79	0.43	0.39	0.73	0.33	200/50								
	3/8"	HR50-10/45N	0.39	0.55	0.79	0.51	0.47	0.73	0.41	200/50								
1/0	1/2"	HR50-12/45N	0.39	0.55	0.83	0.55	0.51	0.73	0.52	200/50	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	5/8"	HR50-16/45N	0.39	0.55	1.02	0.73	0.63	0.73	0.67	200/50								
	3/4"	HR50-20/45N	0.39	0.55	1.18	0.79	0.75	0.73	0.83	200/50								
	1/4"	HR70-6/45N	0.47	0.65	0.94	0.47	0.39	0.79	0.25	80/20								
	5/16"	HR70-8/45N	0.47	0.65	0.94	0.47	0.39	0.79	0.33	80/20								
	3/8"	HR70-10/45N	0.47	0.65	0.94	0.51	0.47	0.79	0.41	80/20								
2/0	1/2"	HR70-12/45N	0.47	0.65	0.94	0.55	0.51	0.79	0.52	80/20	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	5/8"	HR70-16/45N	0.47	0.65	1.1	0.73	0.63	0.79	0.67	80/20								
	3/4"	HR70-20/45N	0.47	0.65	1.2	0.85	0.75	0.79	0.83	80/20								
	5/16"	HR95-8/45N	0.53	0.71	1.02	0.47	0.39	0.96	0.33	80/20								
	3/8"	HR95-10/45N	0.53	0.71	1.02	0.51	0.47	0.96	0.41	80/20								
	1/2"	HR95-12/45N	0.53	0.71	1.02	0.55	0.51	0.96	0.52	80/20								
3/0	5/8"	HR95-16/45N	0.53	0.71	1.1	0.75	0.63	0.96	0.67	80/20	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	3/4"	HR95-20/45N	0.53	0.71	1.26	0.91	0.83	0.96	0.83	80/20								
	5/16"	HR120-8/45N	0.59	0.77	1.14	0.55	0.55	1.00	0.33	80/20								
	3/8"	HR120-10/45N	0.59	0.77	1.14	0.55	0.55	1.00	0.41	80/20								
	1/2"	HR120-12/45N	0.59	0.77	1.14	0.55	0.55	1.00	0.52	80/20								
	5/8"	HR120-16/45N	0.59	0.77	1.22	0.75	0.63	1.00	0.67	80/20								
250 MCM	3/4"	HR120-20/45N	0.59	0.77	1.42	0.91	0.83	1.00	0.83	80/20	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	5/16"	HR150-8/45N	0.65	0.83	1.22	0.55	0.55	1.12	0.33	40/10								
	3/8"	HR150-10/45N	0.65	0.83	1.22	0.55	0.55	1.12	0.41	40/10								
	1/2"	HR150-12/45N	0.65	0.83	1.22	0.59	0.59	1.12	0.52	40/10								
	5/8"	HR150-16/45N	0.65	0.83	1.22	0.75	0.63	1.12	0.67	40/10								
	3/4"	HR150-20/45N	0.65	0.83	1.42	0.91	0.83	1.12	0.83	40/10								
300 MCM	3/8"	HR185-10/45N	0.75	0.83	1.38	0.75	0.63	1.24	0.41	40/10	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	1/2"	HR185-12/45N	0.75	0.83	1.38	0.75	0.63	1.24	0.52	40/10								
	5/8"	HR185-16/45N	0.75	0.83	1.38	0.75	0.63	1.24	0.67	40/10								
	3/4"	HR185-20/45N	0.75	0.83	1.46	0.91	0.83	1.24	0.83	40/10								
	3/8"	HR240-10/45N	0.83	1.02	1.54	0.75	0.63	1.44	0.41	20/10								
	1/2"	HR240-12/45N	0.83	1.02	1.54	0.75	0.63	1.44	0.52	20/10								
500 MCM	5/8"	HR240-16/45N	0.83	1.02	1.54	0.75	0.63	1.44	0.67	20/10	HN1	HN5	HN-H25	TNE-H50	B15MA	HT45-E B450ND-BVA	HT51 B550CA RH50 B500A B500NDA RH60C HT60C B600CA B600CND	HT81-JD RHU81-D B1300L-CA and similar tools for U dies
	3/4"	HR240-20/45N	0.83	1.02	1.54	0.91	0.83	1.44	0.83	20/10								
	1/2"	HR300-12/45N	0.93	1.16	1.73	0.75	0.63	1.77	0.52	10/5								
	5/8"	HR300-16/45N	0.93	1.16	1.73	0.91	0.83	1.77	0.67	10/5								
	3/4"	HR300-20/45N	0.93	1.16	1.73	0.91	0.83	1.77	0.83	10/5								
	600 MCM																	



HR-/45N series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%, and designed to obtain high electrical conductivity combined with the mechanical strength required to resist vibration and pull out.

CEMBRE lugs are annealed and tin plated for improved surface protection.

The annealing process optimizes the structural features of the material allowing easier crimping and greater resistance to mechanical stresses.

The barrel entrance of the lug is chamfered to allow easy conductor insertion, while its length facilitates precise positioning in the crimping die.

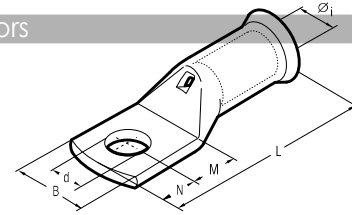
Each lug is marked with:

- CEMBRE logo and part code.
- conductor type and csa (AWG).
- stud Ø (in.).
- crimping die code

Details of the appropriate crimping tools and dies are shown on page 340.

Consult us for special requirements

for copper conductors



T-M series lugs are manufactured from electrolytic copper tube with a purity greater than 99.9%.

The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

CEMBRE lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation. Terminals have to perform a reliable connection in applications that are subject to vibration which means the annealing process plays a vital role in avoiding cracking or breaks between the barrel and palm.

The insertion of the cable is facilitated by a tulip out

The presence of an inspection hole facilitates full insertion of the conductor, while the barrel length has been designed to allow easy and accurate positioning of the dies during the crimping operation.

Lugs are electrolytically tin plated to avoid oxidation.

Our technicians are always available to provide any technical advice which may be required.

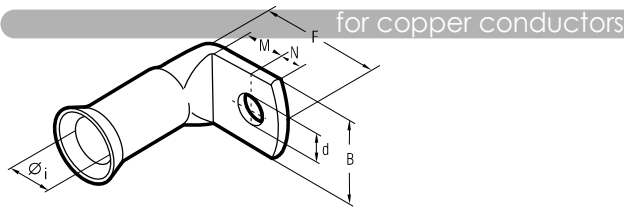
The enclosed table is only indicative of the range and many variations in stud fixing and palm lengths are also available.

Details of the appropriate crimping tools and dies are shown on pages 336 to 337.

Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools	Hydraulic Tools
			Ø1	B	M	N	L	d			
12	#8	T4-M4	0.11	0.35	0.28	0.24	1.08	0.17	1,200/100		
	#10	T4-M5	0.11	0.35	0.28	0.24	1.08	0.20	2,000/100		
	1/4"	T4-M6	0.11	0.47	0.35	0.31	1.26	0.25	1,200/100		
12-10	#8	T6-M4	0.13	0.39	0.26	0.24	1.18	0.17	1,200/100		
	#10	T6-M5	0.13	0.51	0.26	0.24	1.18	0.20	1,200/100		
	1/4"	T6-M6	0.13	0.51	0.35	0.31	1.36	0.25	800/100		
8	5/16"	T6-M8	0.13	0.51	0.43	0.39	1.52	0.33	800/100		
	#10	T10-M5	0.17	0.43	0.26	0.24	1.18	0.20	800/100		
	1/4"	T10-M6	0.17	0.43	0.35	0.31	1.36	0.25	800/100		
6	5/16"	T10-M8	0.17	0.55	0.43	0.39	1.52	0.33	800/100		
	3/8"	T10-M10	0.17	0.55	0.55	0.47	1.71	0.41	800/100		
	#10	T16-M5	0.21	0.47	0.26	0.24	1.34	0.20	800/100		
4	1/4"	T16-M6	0.21	0.47	0.35	0.31	1.52	0.25	400/100		
	5/16"	T16-M8	0.21	0.63	0.43	0.39	1.67	0.33	400/100		
	3/8"	T16-M10	0.21	0.63	0.55	0.47	1.87	0.41	400/100		
2	#10	T25-M5	0.26	0.51	0.26	0.24	1.4	0.20	400/100		
	1/4"	T25-M6	0.26	0.51	0.35	0.31	1.57	0.25	400/100		
	5/16"	T25-M8	0.26	0.63	0.43	0.39	1.73	0.33	400/100		
1/0	3/8"	T25-M10	0.26	0.63	0.55	0.47	1.93	0.41	400/100		
	1/2"	T25-M12	0.26	0.75	0.71	0.63	2.24	0.50	200/50		
	1/4"	T35-M6	0.31	0.59	0.35	0.31	1.61	0.25	200/50		
2/0	5/16"	T35-M8	0.31	0.67	0.43	0.39	1.77	0.33	200/50		
	3/8"	T35-M10	0.31	0.67	0.55	0.47	1.97	0.41	200/50		
	1/2"	T35-M12	0.31	0.67	0.71	0.63	2.28	0.50	200/50		
3/0	1/4"	T50-M6	0.36	0.71	0.35	0.31	1.83	0.25	200/25		
	5/16"	T50-M8	0.36	0.71	0.43	0.39	1.99	0.33	200/25		
	3/8"	T50-M10	0.36	0.71	0.55	0.47	2.19	0.41	200/25		
250 MCM	1/2"	T50-M12	0.36	0.75	0.71	0.63	2.50	0.50	100/25		
	5/16"	T70-M8	0.43	0.83	0.43	0.39	2.13	0.33	100/25		
	3/8"	T70-M10	0.43	0.83	0.55	0.47	2.32	0.41	100/25		
300 MCM	1/2"	T70-M12	0.43	0.83	0.71	0.63	2.64	0.50	100/25		
	5/16"	T95-M8	0.52	0.91	0.43	0.39	2.36	0.33	80/20		
	3/8"	T95-M10	0.52	0.91	0.55	0.47	2.56	0.41	80/20		
350 MCM	1/2"	T95-M12	0.52	0.91	0.71	0.63	2.87	0.50	80/20		
	9/16"	T95-M14	0.52	0.91	0.71	0.63	2.87	0.57	80/20		
	5/8"	T95-M16	0.52	0.91	0.75	0.67	2.95	0.65	80/20		
500 MCM	5/16"	T120-M8	0.57	1.10	0.43	0.39	2.48	0.33	100/25		
	3/8"	T120-M10	0.57	1.10	0.55	0.47	2.68	0.41	50/25		
	1/2"	T120-M12	0.57	1.10	0.71	0.63	2.99	0.50	50/25		
600 MCM	9/16"	T120-M14	0.57	1.10	0.71	0.63	2.99	0.57	50/25		
	5/8"	T120-M16	0.57	1.10	0.75	0.67	3.07	0.65	50/25		
	5/16"	T150-M8	0.64	1.18	0.43	0.39	2.85	0.33	40/10		
800 MCM	3/8"	T150-M10	0.64	1.18	0.55	0.47	3.05	0.41	40/10		
	1/2"	T150-M12	0.64	1.18	0.71	0.63	3.37	0.50	40/10		
	9/16"	T150-M14	0.64	1.18	0.71	0.63	3.37	0.57	40/10		
1000 MCM	5/8"	T150-M16	0.64	1.18	0.75	0.67	3.44	0.65	40/10		
	3/8"	T185-M10	0.71	1.30	0.55	0.47	3.29	0.41	40/10		
	1/2"	T185-M12	0.71	1.30	0.71	0.63	3.60	0.50	40/10		
1250 MCM	9/16"	T185-M14	0.71	1.30	0.71	0.63	3.60	0.57	40/10		
	5/8"	T185-M16	0.71	1.30	0.75	0.67	3.68	0.65	40/10		
	3/8"	T240-M10	0.81	1.46	0.51	0.43	3.44	0.41	20/10		
1500 MCM	1/2"	T240-M12	0.81	1.46	0.63	0.55	3.68	0.50	20/10		
	9/16"	T240-M14	0.81	1.46	0.71	0.63	3.84	0.57	20/10		
	5/8"	T240-M16	0.81	1.46	0.75	0.67	3.92	0.65	20/10		
2000 MCM	3/4"	T240-M20	0.81	1.46	0.87	0.79	4.15	0.83	20/10		
	3/8"	T300-M10	0.91	1.61	0.55	0.43	3.74	0.41	20/5		
	1/2"	T300-M12	0.91	1.61	0.79	0.55	4.09	0.50	20/5		
2500 MCM	9/16"	T300-M14	0.91	1.61	0.87	0.63	4.25	0.57	20/5		
	5/8"	T300-M16	0.91	1.61	0.87	0.75	4.37	0.65	20/5		
	3/4"	T300-M20	0.91	1.61	0.94	0.91	4.61	0.83	10/5		
3000 MCM	9/16"	T400-M14	1.03	1.85	0.87	0.75	4.69	0.57	10/5		
	5/8"	T400-M16	1.03	1.85	0.87	0.75	4.69	0.65	10/5		
	3/4"	T400-M20	1.03	1.85	0.94	0.91	4.92	0.83	10/5		

COPPER TUBE CRIMPING LUGS ANGLED 90°

T-L



Conductor Size AWG		Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Mechanical Tools		Hydraulic Tools			
Low Str.	Flex			Øi	B	M	N	F*	d							
12 - 10		1/4"	T6-L6	0.13	0.51	0.35	0.32	0.93	0.25	800/100	HN1					
		#10	T10-L5	0.17	0.43	0.24	0.24	0.80	0.21	800/100						
	8	1/4"	T10-L6	0.17	0.43	0.32	0.32	0.98	0.25	800/100	HN5		HN-T25			
		5/16"	T10-L8	0.17	0.55	0.43	0.39	1.13	0.33	800/100						
		1/4"	T16-L6	0.21	0.47	0.35	0.32	1.04	0.25	400/100	HN5		HN-T25			
	6	5/16"	T16-L8	0.21	0.63	0.43	0.39	1.20	0.33	400/100						
		3/8"	T16-L10	0.21	0.63	0.55	0.47	1.40	0.41	400/100	HN5		HN-T25			
		1/4"	T25-L6	0.26	0.51	0.35	0.32	1.10	0.25	400/100						
	4	5/16"	T25-L8	0.26	0.63	0.43	0.39	1.26	0.33	400/100	HN5		HN-T25			
		3/8"	T25-L10	0.26	0.63	0.55	0.47	1.46	0.41	400/100						
		1/4"	T35-L6	0.31	0.59	0.35	0.32	1.16	0.25	400/50	HN5		HN-T25			
	2	5/16"	T35-L8	0.31	0.67	0.43	0.39	1.32	0.33	200/50						
		3/8"	T35-L10	0.31	0.67	0.55	0.47	1.52	0.41	200/50	HN5		HN-T25			
		1/4"	T50-L6	0.36	0.71	0.35	0.32	1.24	0.25	100/25						
	1/0	5/16"	T50-L8	0.36	0.71	0.39	0.39	1.40	0.33	200/25	HN5		HN-T25			
		3/8"	T50-L10	0.36	0.71	0.55	0.47	1.59	0.41	100/25						
		5/16"	T70-L8	0.43	0.83	0.43	0.39	1.52	0.33	100/25	HN5		HN-T25			
	2/0	3/8"	T70-L10	0.43	0.83	0.55	0.47	1.71	0.41	100/25						
		1/2"	T70-L12	0.43	0.83	0.71	0.63	2.03	0.50	100/25	HN5		HN-T25			
		5/16"	T95-L8	0.52	0.91	0.43	0.39	1.61	0.33	100/25						
	3/0	3/8"	T95-L10	0.52	0.91	0.55	0.47	1.81	0.41	100/25	HN5		HN-T25			
		1/2"	T95-L12	0.52	0.91	0.71	0.63	2.13	0.50	100/25						
		3/8"	T120-L10	0.57	1.10	0.55	0.47	1.89	0.41	50/25	HN5		HN-T25			
	250 MCM	1/2"	T120-L12	0.57	1.10	0.71	0.63	2.21	0.50	50/25						
		3/8"	T150-L10	0.64	1.18	0.55	0.47	1.97	0.41	40/10	HN5		HN-T25			
	300 MCM	1/2"	T150-L12	0.64	1.18	0.71	0.63	2.28	0.50	40/10						
	350 MCM	3/8"	T185-L10	0.71	1.30	0.55	0.47	2.05	0.41	40/10	HN5		HN-T25			



T-L series lugs angled 90° are manufactured from electrolytic copper tube with a purity greater than 99.9%.

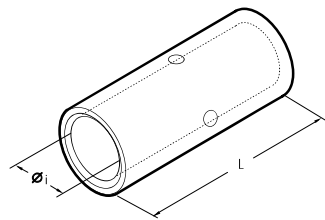
T-L series lugs having the same dimensions and characteristics as T-M series lugs.

F* = indicative dimension

Details of the appropriate crimping tools and dies are shown on pages 336 to 337.

CRIMPING THROUGH CONNECTORS

for copper conductors

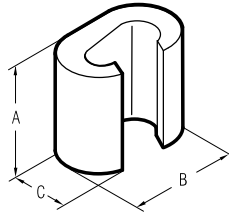


Total Conductor Size AWG		Type	Dimensions in.		Quantity Box/Bag	Mechanical Tools		Hydraulic Tools	
Low Stranded	Flexible		Øi	L					
12	12	L4-T	0.11	0.87	2,000/100	HN1	HN5	HN-T25	B15MA
12 - 10	12 - 10	L6-T	0.13	0.98	1,500/100				
8	8	L10-T	0.17	1.06	1,000/100	HN5	HN-T25	B15MA	HT45-E B450ND-BVA
6	6	L16-T	0.21	1.22	500/100				
4	4	L25-T	0.26	1.38	500/100	HN5	HN-T25	B15MA	RH50 B500A B500NDA
2	4	L35-T	0.31	1.46	250/50				
1/0	2	L50-T	0.36	1.77	250/50	HN5	HN-T25	B15MA	RH60C B600CA B600CND
2/0	1/0	L70-T	0.43	1.97	200/50				
3/0	2/0	L95-T	0.52	2.2	100/25	HN5	HN-T25	B15MA	RH60C B600CA B600CND
250 MCM	3/0	L120-T	0.57	2.36	100/25				
300 MCM	250 MCM	L150-T	0.64	2.6	50/25	HN5	HN-T25	B15MA	RH60C B600CA B600CND
350 MCM	300 MCM	L185-T	0.71	2.95	50/25				
500 MCM	350 MCM	L240-T	0.81	3.15	30/15	HN5	HN-T25	B15MA	RH60C B600CA B600CND
600 MCM	500 MCM	L300-T	0.91	3.54	20/10				
800 MCM	600 MCM	L400-T	1.03	3.94	20/5	HN5	HN-T25	B15MA	RH60C B600CA B600CND



Made of electrolytic copper tube with a purity greater than 99.9%, having the same dimensions as T-M series lugs, L-T connectors are annealed and electrolytically tin plated. They feature an internal taper to ease the introduction of the conductor.

Details of the appropriate crimping tools and dies are shown on pages 336 to 337.



"C" connectors are manufactured from high purity copper profiles with a purity greater than 99.9% and are suitable for a variety of uses either to create an earthing network or tapping off from overhead distribution lines.

Each connector is marked as follows:

- CEMBRE trade mark
- Reference number
- Conductor size-Run
- Conductor size-Tap
- Number of crimps
- Die reference

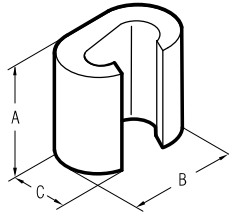
Details of the appropriate crimping tools and dies are shown on page 333.

Conductor Size AWG		Type	Dimensions in.			Quantity Box/Bag	Mechanical Tools	Hydraulic Tools									
Run	Tap		A	B	C												
#9 - #13	#9 - #15	C6-C6ST	0.35	0.39	0.25	1,000/100	HP4-C10	HT45-E	B450ND-BVA	B550CA	B500NDA	RHU81-D	B1300L-CA and similar tools for U dies	FCW43D			
#7	#7 - #15	C10-C10ST	0.47	0.50	0.33	500/100											
#5	#5 - #15	C16-C16ST	0.67	0.76	0.47	500/100											
#3 - #5	#7 - #15	C25-C10ST	0.67	0.78	0.51	400/50											
#3	#3 - #5	C25-C25ST	0.67	0.84	0.51	300/50											
#1 - #2	#5 - #15	C35-C16ST	0.83	0.97	0.61	200/25											
#1 - #2	#1 - #3	C35-C35ST	0.83	1.05	0.61	200/25											
1/0	#3 - #7																
2/0	#3 - #15	C70-C25NST	0.83	1.04	0.69	200/25											
1/0	#3 - #11	C50-C25ST	0.98	1.30	0.83	100/25											
1/0	1/0 - #2	C50-C50ST	1.02	1.30	0.83	100/25	HT51	RH50	B500A	B500NDA	B550CA						
2/0 - 1/0	#1	C70-C35ST	1.10	1.30	0.83	100/25											
2/0 - 1/0	2/0 - #11	C70-C70ST	1.10	1.34	0.83	100/25											
4/0	#1	C95-C35ST	1.14	1.60	1.02	50/25											
4/0	2/0	C95-C70ST	1.14	1.61	1.02	50/25											
4/0	4/0	C95-C95ST	1.14	1.61	1.02	50/25											
250 - 4/0	250 - #3	C120-C120ST	1.18	1.77	1.10	30/15											
300 MCM	250 - #3	C150-C120ST	1.22	1.77	1.10	50/25											
250 MCM	250 MCM																
300 MCM	300 MCM	C150-C150ST	1.18	1.77	1.10	50/25											
250 MCM	250 MCM																
350 MCM	4/0 - #5	C185-C95ST	1.22	1.77	1.10	30/15											
350 - 250 MCM	350 - 250 MCM	C185-C185ST	0.89	2.68	1.34	30/15											
500 - 300 MCM	250 - 2/0	C240-C120ST	0.89	2.68	1.34	30/15											

SLEEVE CONNECTORS

Bright surface version

C-C

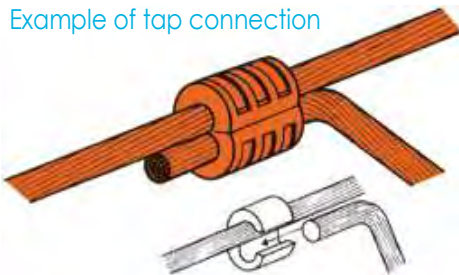


Conductor Size AWG		Type	Dimensions in.			Quantity Box/Bag	Mechanical Tools	Hydraulic Tools	
Run	Tap		A	B	C				
#9 - #13	#9 - #15	C6-C6	0.35	0.39	0.25	1,500/100	HP4-C10	B450ND-BVA	B550CA
#7	#7 - #15	C10-C10	0.47	0.50	0.33	500/100			
#5	#5 - #15	C16-C16	0.67	0.76	0.47	500/100			
#3 - #5	#7 - #15	C25-C10	0.67	0.78	0.51	400/50			
#3	#3 - #5	C25-C25	0.67	0.84	0.51	300/50	HT45-E	B500NDA	RHU81-D
#1 - #2	#5 - #15	C35-C16	0.83	0.97	0.61	200/25			
#1 - #2	#1 - #3	C35-C35	0.83	1.05	0.61	200/25			
1/0	#3 - #7	C70-C25N	0.83	1.04	0.69	200/25			
2/0	#3 - #15	C70-C25N	0.83	1.04	0.69	200/25	HT51	RH50	B1300L-CA and similar tools for U dies
1/0	#3 - #11	C50-C25	0.98	1.30	0.83	100/25			
1/0	1/0 - #2	C50-C50	1.02	1.30	0.83	100/25			
2/0 - 1/0	#1	C70-C35	1.10	1.30	0.83	100/25			
2/0 - 1/0	2/0 - #11	C70-C70	1.10	1.34	0.83	100/25	HT51	RH50	B1300L-CA and similar tools for U dies
4/0	#1	C95-C35	1.14	1.60	1.02	50/25			
4/0	2/0	C95-C70	1.14	1.61	1.02	50/25			
4/0	4/0	C95-C95	1.14	1.61	1.02	50/25			
250 - 4/0	250 - #3	C120-C120	1.18	1.77	1.10	30/15	HT51	RH50	B1300L-CA and similar tools for U dies
300 MCM	250 - #3	C150-C120	1.22	1.77	1.10	30/15			
250 MCM	250 MCM	C150-C120	1.22	1.77	1.10	30/15			
300 MCM	300 MCM	C150-C150	1.18	1.77	1.10	30/15			
250 MCM	250 MCM	C150-C150	1.18	1.77	1.10	30/15	HT51	RH50	B1300L-CA and similar tools for U dies
350 MCM	4/0 - #5	C185-C95	1.22	1.77	1.10	30/15			
350 - 250 MCM	350 - 250 MCM	C185-C185	0.89	2.68	1.34	30/15			
500 - 300 MCM	250 - 2/0	C240-C120	0.89	2.68	1.34	30/15			

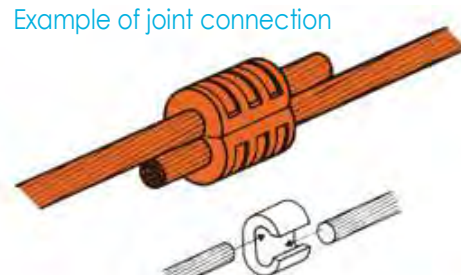


Featuring same characteristics of tin plated version (see opposite page).

Example of tap connection

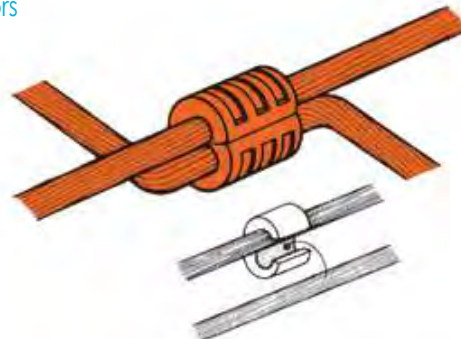


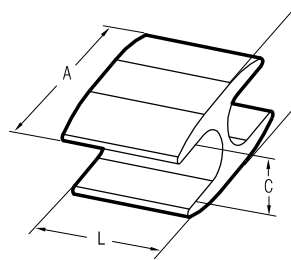
Example of joint connection



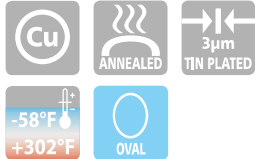
Example of joining two running conductors

Conductor Size AWG	Type
3-3	C35-C16
2-2	C35-C35
1/0-1/0	C70-C70
2/0-2/0	C95-C70
3/0-3/0	C150-C120
250-250 MCM	C150-C120
300-300 MCM	C150-C150
250 MCM-250 MCM	C185-C95



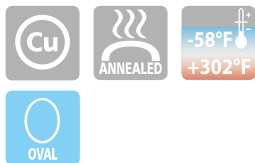


tin plated version



Conductor Size AWG		Type	Dimensions in.				Quantity	Hydraulic Tools		
Run	Tap		A	B	C	L				
2/0	2/0	H70-H70ST	1.34	0.67	0.43	1.10	25	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520
4/0	4/0	H95-H95ST	1.57	0.87	0.51	1.18	25			
250 MCM	250 MCM	H120-H120ST	1.69	0.94	0.61	0.98	15			

bright surface version



Conductor Size AWG		Type	Dimensions in.				Quantity	Hydraulic Tools		
Run	Tap		A	B	C	L				
2/0	2/0	H70-H70	1.34	0.67	0.43	1.10	25	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520
4/0	4/0	H95-H95	1.57	0.87	0.51	1.18	25			
250 MCM	250 MCM	H120-H120	1.69	0.94	0.61	0.98	15			

H clamps are manufactured from copper profiles with a purity greater than 99.9%, and are suitable for a earthing systems. Each connector is marked as follows:

- CEMBRE trade mark
- Reference number

features:

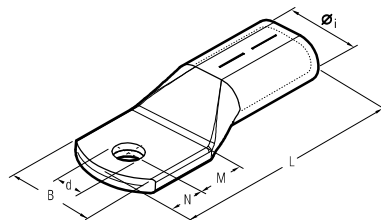
- H shape
- For copper conductors DIN 48201
- Material: Cu ETP (CW004A) according to EN 13605
- Surface: bright and tin plated version
- Electrolytically tin plated to avoid oxidation; min 3µm

Details of the appropriate crimping tools and dies are shown on page 342.

TWIN CABLE TERMINAL LUGS FOR ROUND CONDUCTORS

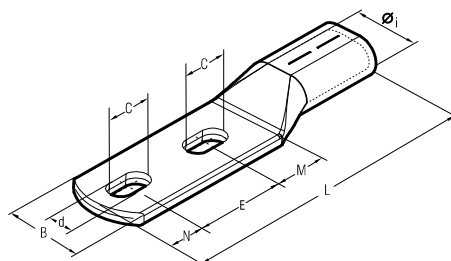
for copper conductors

DK



with an M12 hole

Conductor Size AWG	Type	Dimensions in.						Quantity	Hydraulic Tools		
		Øi	B	M	N	L	d		B1300L-CA and similar tools for U dies	ECW-H3D	RHU520
2 x 1/0	DK50-M12	0.81x0.42	1.34	0.87	0.57	3.68	0.51	10			
2 x 2/0	DK70-M12	0.90x0.47	1.47	0.87	0.57	3.84	0.51	10			
2 x 4/0	DK95 -M12	1.04x0.50	1.65	0.90	0.63	4.25	0.51	10			
2 x 250 MCM	DK120-M12	1.16x0.61	1.89	0.94	0.57	4.55	0.51	5			



with 2 elongated holes

Conductor Size AWG	Type	Dimensions in.									Quantity	Hydraulic Tools		
		Øi	B	M	N	E	L	C	d	B1300L-CA and similar tools for U dies		ECW-H3D	RHU520	
2 x 2/0	DK70-2M12-51AS	0.90x0.47	1.47	1.00	0.85	2.00	6.26	0.94	0.51		10			
2 x 4/0	DK95-2M12-51AS	1.04x0.50	1.65	1.00	0.85	2.00	6.57	0.94	0.51		10			
2 x 250 MCM	DK120-2M12-51AS	1.16x0.61	1.89	1.00	0.85	2.00	6.89	0.94	0.51		10			



DK compression cable lugs are made from copper tube with a purity greater than 99.9% and are suitable for the compression of 2 round conductors.

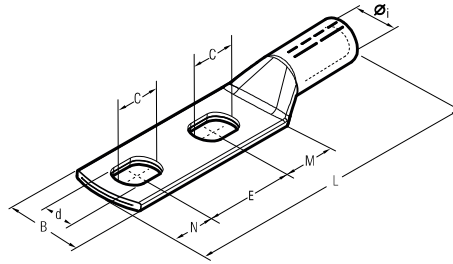
Cable lugs with an M12 hole or with 2 elongated holes are available (see tables). The elongated holes 2xM12 allow easy assembly with different fastening points. This enables flexible use in earthing systems.

features:

- For copper conductors DIN 48201
- Material: Cu ETP (CW004A) according to EN13605
- Electrolytically tin plated to avoid oxidation; min 3µm
- Marking: CEMBRE logo; Type, die type (MRD ... C); Press positions

Details of the appropriate crimping tools and dies are shown on page 342.

for copper conductors



with 2 elongated holes

Conductor Size AWG	Type	Dimensions in.								Quantity	Mechanical Tools	Hydraulic Tools				
		Øi	B	M	N	E	L	C	d							
2/0	DR70-2M12-51AS	0.45	0.94	1.0	0.85	2.0	5.51	0.94	0.51	10	TNE-D120	HT45-E B450ND-BVA HT51 RH50 B500A B500NDA B550CA RH60C HT60C B600CA B600CND HT81-JD RHU81-D B1300L-CA and similar tools for U dies ECW-H3D RHU520				
4/0	DR95-2M12-51AS	0.53	1.10	1.0	0.85	2.0	5.90	0.94	0.51	10						
250 MCM	DR120-2M12-51AS	0.61	1.26	1.0	0.85	2.0	5.94	0.94	0.51	10						

DR compression cable lugs are made from copper tube with a purity greater than 99.9%.

They are available with 2 slotted holes (see tables).

The slotted holes 2xM12 enable easy installation with different attachment points.

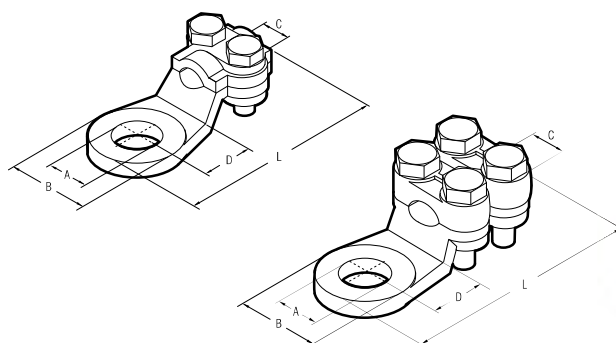
features:

- For copper conductors DIN 48201
- Material: Cu ETP (CW004A) according to EN13605
- Electrolytically tin plated to avoid oxidation; min 3µm
- Marking: CEMBRE logo; Type, die type (MK..); Press positions

Details of the appropriate crimping tools and dies are shown on page 342.

MECHANICAL FIXING LUGS

21..



2 bolt fixing lugs

Conductor Size AWG	Type	Clamping Bolt		Ø A Bolt	Dimensions in.				Quantity
		Ø	Torque Ratio Nm		B	C	D	L	
6	2155	M5	3	M8	0.71	0.18	0.49	1.54	100
6	2171	M5	3	M10	0.71	0.18	0.49	1.54	100
4	2156	M5	3	M8	0.77	0.24	0.51	1.69	150/50
4	2172	M5	3	M10	0.77	0.24	0.51	1.69	100
2	2157	M5	3	M12	0.91	0.28	0.59	1.93	100/50
2	2173	M5	3	M14	0.91	0.28	0.59	1.93	50
2-1/0	2174	M6	5	M14	0.98	0.31	0.67	2.20	50



Material:
Brass CB754S EN 1982 nickel plated.
Zinc plated steel bolts.

4 bolt fixing lugs

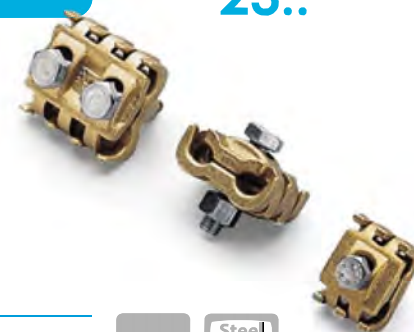
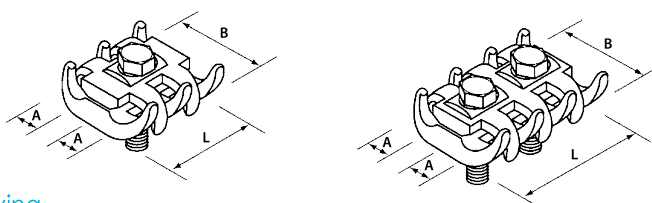
Conductor Size AWG	Type	Clamping Bolt		Ø A Bolt	Dimensions in.				Quantity
		Ø	Torque Ratio Nm		B	C	D	L	
1/0	2158	M6	5	M12	0.93	0.31	0.63	2.24	50/25
2/0	2160	M6	5	M12	1.10	0.39	0.79	2.56	25
2/0	2176	M6	5	M16	1.10	0.39	0.79	2.56	25
3/0	2161*	M6	5	M12	1.22	0.51	0.67	2.60	25
250 MCM	2162*	M7	10	M15	1.30	0.55	0.71	2.80	25
300 MCM	2163*	M7	10	M14	1.34	0.63	0.77	2.95	25
350 MCM	2164*	M7	10	M15	1.42	0.63	0.83	3.07	25



* Versions with U-bolts in bent steel

CABLE CLAMPS

23..



Single bolt fixing

Conductor Size AWG	Type	Clamping Bolts		A for Cable in.	Dimensions in.		Quantity
		Ø	Torque Ratio Nm		B	L	
10 - 6	2323	M6	8	0.12 - 0.20	0.94	0.79	150/50
6 - 1/0	2326	M8	15	0.20 - 0.31	1.26	1.12	50/25
2 - 2/0	2329	M8	15	0.28 - 0.47	1.54	1.18	40/10



2 bolt fixing

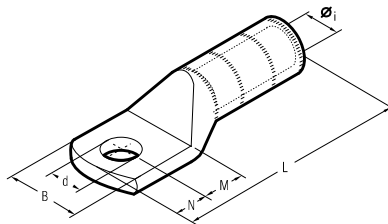
Conductor Size AWG	Type	Clamping Bolts		A for Cable in.	Dimensions in.		Quantity
		Ø	Torque Ratio Nm		B	L	
10 - 6	2333	M6	8	0.12 - 0.20	0.96	1.18	100/50
6 - 1/0	2336	M8	15	0.20 - 0.31	1.26	1.57	40/10
2 - 2/0	2339	M8	15	0.28 - 0.47	1.54	1.69	20/10
1/0 - 3/0	2342	M10	35	0.31 - 0.55	1.89	1.89	10
3/0 - 300	2344	M10	35	0.55 - 0.63	2.01	2.09	10
300 - 400-600	2346*	M12	60	0.63 - 0.87	2.60	2.60	5

* Stainless Steel bolts

Material:
Brass CB754S EN 1982
White zinc plated steel bolts.
White zinc plated steel nuts.

CA-M 2A-M

MEDIUM VOLTAGE COPPER TERMINALS



Series CA-M and 2A-M terminals are designed for medium voltage applications up to 35 kV. They are manufactured from high purity copper tube with a purity greater than 99.9%, annealed and tin plated. The extended barrel enhances both electrical and mechanical performance. The absence of an inspection hole prevents moisture entry into the crimped joint and makes these terminals suitable for outdoor applications. Details of the appropriate crimping tools and dies are shown on page 342.

Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Hydraulic Tools			
			Øi	B	M	N	L	d					
4 R	5/16"	CA25-M8	0.27	0.55	0.35	0.31	2.56	0.33	300/50	HT51 RH50 B500A B500NDA B500ND RHU81-D HT81-JD RHU81-D B1300L-CA and similar tools for U dies ECW-H3D RHU520			
	3/8"	CA25-M10	0.27	0.71	0.51	0.43	2.83	0.41	200/50				
	1/2"	CA25-M12	0.27	0.83	0.63	0.55	3.07	0.52	150/50				
3 RC/S - 1 S	1/2"	CA40S-M12	0.32	0.83	0.63	0.55	3.11	0.52	100/50				
	5/8"	CA40S-M16	0.32	1.02	0.75	0.67	3.35	0.67	100/50				
1/0 RC	1/2"	CA50R-M12	0.34	0.81	0.63	0.55	3.11	0.52	100/50				
1/0 S	1/2"	CA50S-M12	0.37	0.83	0.63	0.55	3.11	0.52	100/50				
	5/8"	CA50S-M16	0.37	1.02	0.75	0.67	3.35	0.67	100/50				
1/0 S - 2/0 S	1/2"	CA70S-M12	0.43	1.10	0.63	0.55	3.20	0.52	30/15				
	1/2"	CA70S-M16	0.43	1.18	0.75	0.67	3.43	0.67	50/25				
3/0 RC	1/2"	CA95R-M12	0.47	1.10	0.63	0.55	3.58	0.52	30/15				
	9/16"	CA95R-M14	0.47	1.10	0.71	0.63	3.74	0.59	50/25				
3/0 S	1/2"	CA95S-M12	0.53	1.10	0.63	0.55	3.58	0.52	30/15				
	9/16"	CA95S-M14	0.53	1.14	0.71	0.63	3.72	0.59	50/25				
	5/8"	CA95S-M16	0.53	1.18	0.79	0.67	3.82	0.67	50/25				
250 MCM RC/S - 300 MCM RC	1/2"	CA150R-M12	0.59	1.22	0.63	0.55	3.82	0.52	30/15				
300 MCM S	9/16"	CA150R-M14	0.59	1.22	0.71	0.63	3.98	0.59	30/15				
	1/2"	CA150S-M12	0.65	1.26	0.63	0.55	3.82	0.52	30/15				
400 MCM RC	9/16"	CA150S-M14	0.65	1.26	0.71	0.63	3.98	0.59	30/15				
400 MCM RC	9/16"	CA200R-M14	0.67	1.28	0.71	0.63	3.98	0.59	30/15				
400 MCM S - 500 MCM RC	9/16"	CA240R-M14	0.76	1.69	0.71	0.63	4.21	0.59	15/5				
500 MCM S - 600 MCM RC	9/16"	CA315R-M14	0.84	1.69	0.71	0.63	4.13	0.59	15/5				
600 MCM S	9/16"	CA315S-M14	0.93	1.73	0.71	0.63	4.13	0.59	15/5				
800 MCM R	9/16"	2A80-M14*	1.10	2.01	0.87	0.75	5.51	0.59	15/5				
	5/8"	2A80-M16*	1.10	2.01	0.87	0.75	5.51	0.67	15/5				
	3/4"	2A80-M20*	1.10	2.01	0.94	0.91	5.75	0.83	15/5				
1000 MCM R	5/8"	2A100-M16	1.20	2.22	0.87	0.75	5.79	0.67	10/1				
	3/4"	2A100-M20	1.20	2.22	0.94	0.91	6.02	0.83	10/1				
1250 MCM R	5/8"	2A120-M16	1.31	2.42	0.87	0.75	6.26	0.67	20/1				
	3/4"	2A120-M20	1.31	2.42	0.94	0.91	6.50	0.83	20/1				

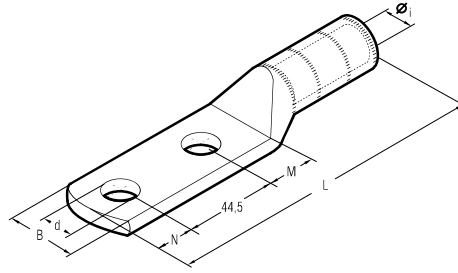
*UL marking

R = Round conductors RC = Round Compact conductors S = Sector shaped conductors

MEDIUM VOLTAGE COPPER TERMINALS

two hole fixing

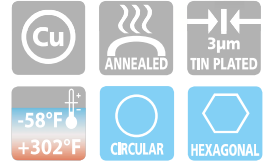
CA-2M
2A-2M



Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Hydraulic Tools			
			Øi	B	M	N	L	d					
4 R	5/16"	CA25-2M8	0.27	0.55	0.39	0.43	4.47	0.33	200/50	HT51 RH50 B500A B500NDA HT81-JD RHU81-D B1300L-CA and similar tools for U dies ECW-H3D RHU520			
	1/2"	CA25-2M12	0.27	0.83	0.63	0.55	4.82	0.52	100/50				
3 RC/S - 1 S	1/2"	CA40S-2M12	0.32	0.85	0.63	0.55	4.86	0.52	100/50				
1/0 RC	1/2"	CA50R-2M12	0.34	0.81	0.63	0.55	4.86	0.52	100/50				
1/0 S	1/2"	CA50S-2M12	0.37	0.83	0.63	0.55	4.86	0.52	100/50				
1/0 S - 2/0 S	1/2"	CA70S-2M12	0.43	1.02	0.63	0.55	4.94	0.52	50/25				
3/0 RC	9/16"	CA95R-2M14	0.47	1.10	0.71	0.63	5.49	0.59	30/15				
3/0 S	9/16"	CA95S-2M14	0.53	1.14	0.71	0.63	5.49	0.59	30/15				
250 MCM RC/S - 300 MCM RC	9/16"	CA150R-2M14	0.59	1.22	0.71	0.63	5.73	0.59	30/15				
300 MCM S	9/16"	CA150S-2M14	0.65	1.26	0.71	0.63	5.73	0.59	30/15				
400 MCM RC	9/16"	CA200R-2M14	0.67	1.28	0.71	0.63	5.71	0.59	30/15				
400 MCM S - 500 MCM RC	9/16"	CA240R-2M14	0.76	1.69	0.71	0.63	5.96	0.59	15/5				
500 MCM S - 600 MCM RC	9/16"	CA315R-2M14	0.84	1.69	0.71	0.63	5.89	0.59	20/5				
600 MCM S	9/16"	CA315S-2M14	0.93	1.73	0.71	0.63	5.89	0.59	20/5				
	1/2"	2A80-2M12*	1.10	2.01	0.79	0.55	6.99	0.52	15/5				
	9/16"	2A80-2M14*	1.10	2.01	0.87	0.63	7.15	0.59	15/5				
800 MCM R	5/8"	2A80-2M16*	1.10	2.01	0.87	0.75	7.26	0.67	15/5				
	9/16"	2A100-2M14	1.20	2.22	0.87	0.63	7.18	0.59	10/5				
	5/8"	2A100-2M16	1.20	2.22	0.87	0.75	7.30	0.67	10/5				
1000 MCM R	9/16"	2A120-2M14	1.31	2.42	0.87	0.63	7.89	0.59	15/5				
	5/8"	2A120-2M16	1.31	2.42	0.87	0.75	7.97	0.67	15/5				

*UL marking

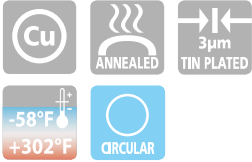
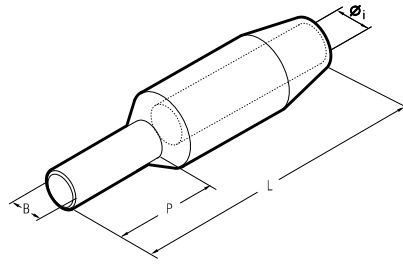
R = Round conductors RC = Round Compact conductors S = Sector shaped conductors



CA-2M and 2A-2M copper tube terminal lugs are designed for medium voltage applications up to 35 kV. Manufactured from high purity copper tube with a purity greater than 99.9%, annealed and tin plated. The extended barrel enhances electrical and mechanical performance.

The absence of an inspection hole prevents moisture entry into the crimped joint. Featuring an extended palm with two fixing holes at 1.75 inches center.

Details of the appropriate crimping tools and dies are shown on page 342.



MT-C series connectors are designed for medium voltage applications up to 35 kV.

They are manufactured from high purity copper with a purity greater than 99.9%, annealed and tin plated.

The extended barrel enhances both electrical and mechanical performance.

The stalk or pin makes these connectors ideal for terminating conductors into contact blocks.

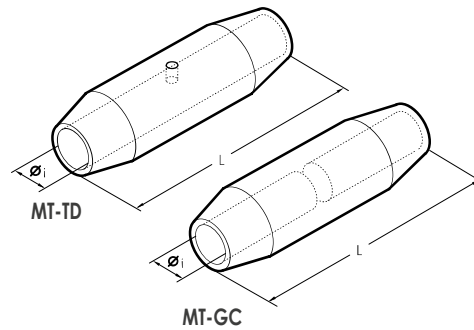
Details of the appropriate crimping tools and dies are shown on page 342.

Conductor Size AWG	Type	Dimensions in.				Quantity Box/Bag	Hydraulic Tools				
		Øi	B	P	L						
4 R	MT25-C8	0.27	0.31	1.38	3.15	90/3	HT51 RH50 B500A B500NDA B550CA	HT81-UD RHU81-D	B1300L-CA and similar tools for U dies	ECW-H3D	RHU520
	MT40S-C8	0.32	0.31	1.38	3.15	90/3					
3 RC/S - 1 S	MT40S-C10	0.32	0.39	1.38	3.15	90/3					
	MT40S-C14-80	0.32	0.55	3.15	4.84	30/3					
1/0 RC	MT50R-C8	0.35	0.31	1.38	3.15	90/3					
	MT50R-C10	0.35	0.39	1.38	3.15	90/3					
	MT50S-C8	0.37	0.31	1.38	3.15	90/3					
1/0 S	MT50S-C10	0.37	0.39	1.38	3.15	90/3					
	MT50S-C14-80	0.37	0.55	3.15	4.84	30/3					
1/0 S - 2/0 S	MT70S-C10	0.44	0.39	1.38	3.54	30/3					
3/0 RC	MT95R-C10	0.47	0.39	1.77	4.33	60/3					
	MT95R-C12	0.47	0.47	1.77	4.33	60/3					
	MT95S-C10	0.53	0.39	1.77	4.33	60/3					
3/0 S	MT95S-C12	0.53	0.47	1.77	4.33	60/3					
	MT95S-C14-80	0.53	0.55	3.15	5.71	60/3					
250 MCM RC/S - 300 MCM RC	MT150R-C12	0.59	0.47	1.77	4.33	60/3					
	MT150R-C16	0.59	0.63	1.77	4.33	30/3					
	MT150S-C12	0.65	0.47	1.77	4.33	60/3					
300 MCM S	MT150S-C14-80	0.65	0.55	3.15	5.71	45/3					
	MT150S-C16	0.65	0.63	1.77	4.33	30/3					
400 MCM RC	MT200R-C10	0.67	0.39	1.77	4.33	30/3					
	MT200R-C16	0.67	0.63	1.77	4.33	30/3					
400 MCM S - 500 MCM RC	MT240R-C12	0.77	0.47	1.97	4.53	30/3					
	MT240R-C16	0.77	0.63	1.97	4.53	30/3					
500 MCM S - 600 MCM RC	MT315R-C16	0.85	0.63	1.97	4.53	30/3					
600 MCM S	MT315S-C16	0.94	0.63	2.36	5.12	30/3					

R = Round conductors RC = Round Compact conductors S = Sector shaped conductors

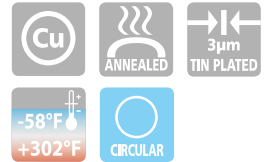
MEDIUM VOLTAGE COPPER THROUGH CONNECTORS

MT-TD
MT-GC



Conductor Size AWG	Type	Type	Dimensions in.		Quantity Box/Bag	Hydraulic Tools			
			Øi	L		HT51 RH50 B500A B500NDA B550CA	HT81-UD RHU81-D	B1300L-CA and similar tools for U dies	ECW-H3D RHU520
4 R	MT25-TD	MT25-GC	0.27	2.36	90/3				
3 RC/S - 1 S	MT40S-TD	MT40S-GC	0.32	2.36	90/3				
1/0 RC	MT50R-TD	MT50R-GC	0.34	2.36	90/3				
1/0 S	MT50S-TD	MT50S-GC	0.37	2.36	90/3				
1/0 S - 2/0 S	MT70S-TD	MT70S-GC	0.43	2.76	30/3				
3/0 RC	MT95R-TD	MT95R-GC	0.47	3.15	30/3				
3/0 S	MT95S-TD	MT95S-GC	0.53	3.15	30/3				
250 MCM RC/S - 300 MCM RC	MT150R-TD	MT150R-GC	0.59	3.15	30/3				
300 MCM S	MT150S-TD	MT150S-GC	0.65	3.15	30/3				
400 MCM RC	MT200R-TD	MT200R-GC	0.67	3.94	30/3				
400 MCM S - 500 MCM RC	MT240R-TD	MT240R-GC	0.76	3.94	21/3				
500 MCM S - 600 MCM RC	MT315R-TD	MT315R-GC	0.85	3.94	21/3				
600 MCM S	MT315S-TD	MT315S-GC	0.93	3.94	21/3				
800 MCM R	MT400-TD		1.06	4.72	15/3				
1000 MCM R	MT500-TD		1.19	4.65	12/3				
1250 MCM R	MT630-TD		1.31	5.12	9/3				

R = Round conductors RC = Round Compact conductors S = Sector shaped conductors



MT-TD and MT-GC series connectors are designed to join conductors in medium voltage applications up to 35 kV.

They are manufactured from high purity copper with a purity greater than 99.9%, annealed and tin plated.

MT-GC series feature a solid stop which forms a barrier between the two conductors being joined, this prevents the migration of oils or greases, which may be present, in one cable contaminating the other cable.

MT-TD connectors are unblocked and are suitable for joining cables of the same type.

Details of the appropriate crimping tools and dies are shown on page 342.

AA-M

ALUMINUM TERMINALS



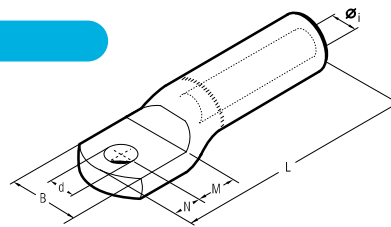
AA-M series terminals are made from aluminum of a purity equal to or greater than 99.5%.

They are designed to accept a variety of conductor forms especially low stranded compacted conductors.

Non circular conductors may require pre-rounding prior to introduction to the terminal.

Barrels are capped and filled with grease to avoid oxidation of the aluminum.

Details of the appropriate crimping tools and dies are shown on page 343 to 347.



Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Hydraulic Tools		
			Øi	B	M	N	L	d				
6	5/16"	AA16-M8	0.22	0.83	0.51	0.43	3.03	0.33	60/3	HT131-C BT300-UCA		
4	5/16"	AA25-M8	0.26	0.83	0.51	0.43	3.03	0.33	60/3			
2	5/16"	AA35-M8	0.31	0.91	0.51	0.43	3.05	0.33	60/3			
	3/8"	AA35-M10	0.31	0.91	0.51	0.43	3.05	0.41	60/3			
1/0	1/2"	AA50-M12	0.35	1.02	0.63	0.55	3.58	0.52	60/3			
	9/16"	AA50-M14	0.35	1.02	0.71	0.63	3.74	0.59	60/3			
2/0	1/2"	AA70-M12	0.43	1.06	0.63	0.55	3.58	0.52	45/3			
	9/16"	AA70-M14	0.43	1.06	0.71	0.63	3.74	0.59	45/3			
3/0	1/2"	AA95-M12	0.49	1.06	0.63	0.55	3.58	0.52	45/3			
	9/16"	AA95-M14	0.49	1.06	0.71	0.63	3.74	0.59	45/3			
250 MCM	1/2"	AA120-M12	0.54	1.38	0.63	0.55	4.53	0.52	30/3			
	9/16"	AA120-M14	0.54	1.38	0.71	0.63	4.68	0.59	30/3			
300 MCM	1/2"	AA150-M12	0.61	1.34	0.63	0.55	4.53	0.52	30/3			
	9/16"	AA150-M14	0.61	1.34	0.71	0.63	4.68	0.59	30/3			
350 MCM	1/2"	AA185-M12	0.67	1.65	0.79	0.55	4.80	0.52	18/3			
	9/16"	AA185-M14	0.67	1.65	0.87	0.63	4.96	0.59	18/3			
500 MCM	1/2"	AA240-M12	0.77	1.73	0.79	0.55	4.80	0.52	15/3			
	9/16"	AA240-M14	0.77	1.73	0.87	0.63	4.96	0.59	15/3			
600 MCM	1/2"	AA300-34M12	0.89	1.85	0.87	0.55	5.12	0.52	15/3			
	9/16"	AA300-34M14	0.89	1.85	0.87	0.63	5.20	0.59	15/3			
	5/8"	AA300-34M16	0.89	1.85	0.87	0.67	5.20	0.67	15/3			
	5/8"	AA300-M16	0.92	2.13	0.87	0.75	7.00	0.67	12/3			
800 MCM	5/8"	AA400-M16	1.02	2.20	0.75	0.67	6.77	0.67	15/3	HT120 HT131-C RHU131	ECW-H3D	RHU 230-630
1000 MCM	5/8"	AA500-40M16	1.15	2.24	0.87	0.75	7.00	0.67	12/3			
1250 MCM	5/8"	AA630-M16	1.28	2.80	0.87	0.75	7.00	0.67	9/3			

AAC150-M10

for bimetallic connections in medium/low voltage cabins

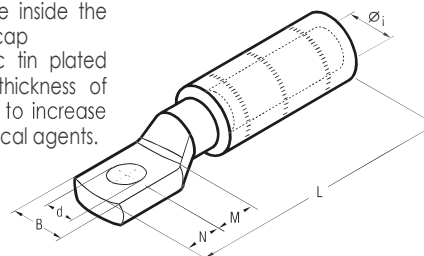


Tin plated aluminum cable lug with single hole for M10 screw, with limited connection, for aluminum cables section 300 MCM.

Characterized by:

- spacer marking for correct compression
- CEI EN 61238-1 self-certification according to ENEL indications

- presence of grease inside the barrel and closing cap
- Surface electrolytic tin plated with a minimum thickness of 15µm, which helps to increase resistance to chemical agents.



Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Hydraulic Tools
			Øi	B	M	N	L	d		
300 MCM	2	AAC150-M10	0.61	0.75	0.63	0.59	3.90	0.41	28/4	HT51 RH50 B500A B500NDA

AA150S-2M12/29ST

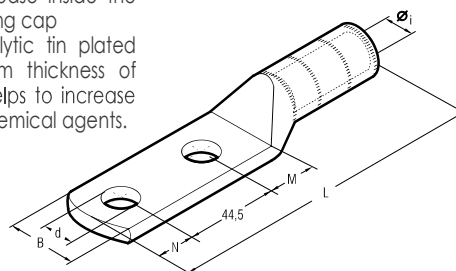


Tin plated aluminum cable lug with double hole for M12 screws, center distance 1.75 in., for aluminum cables section. 300 MCM.

Characterized by:

- spacer marking for correct compression

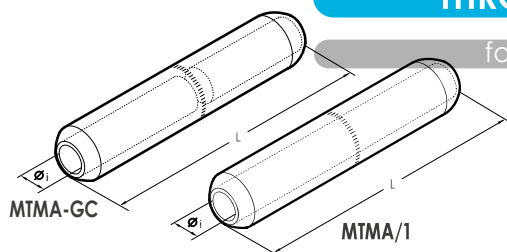
- CEI EN 61238-1 self-certification according to ENEL indications
- presence of grease inside the barrel and closing cap
- Surface electrolytic tin plated with a minimum thickness of 15µm, which helps to increase resistance to chemical agents.



Conductor Size AWG	Ø Stud in.	Type	Dimensions in.						Quantity Box/Bag	Hydraulic Tools	
			Øi	B	M	N	L	d			
300 MCM	1/2"	AA150S-2M12/29ST	0.61	1.14	0.63	0.55	5.69	0.52	24/4		HT51 RH50 B500A B500NDA

THROUGH CONNECTORS

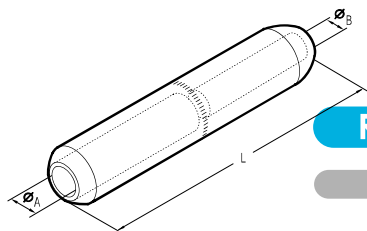
for aluminum conductors



MTMA-GC MTMA/1



Conductor Size AWG	Type	Type	Dimensions in.		Quantity Box/Bag	Hydraulic Tools	
			Øi	L			
8	MTMA10-GC		0.17	3.56	60/3	HT131-UC RHU131-C B1300-UCA	
6	MTMA16-GC	MTMA16/1	0.22	3.56	60/3		
4	MTMA25-GC	MTMA25/1	0.26	3.56	60/3		
2	MTMA35-GC	MTMA35/1	0.31	3.56	60/3		
	MTMA35-20-GC		0.31	4.19	30/3		
1/0	MTMA50-GC	MTMA50/1	0.35	4.19	30/3		
2/0	MTMA70-GC	MTMA70/1	0.43	4.19	30/3		
3/0	MTMA95-GC		0.49	4.37	30/3		
		MTMA95/1	0.49	4.19	30/3		
250 MCM	MTMA120-GC	MTMA120/1	0.54	5.24	21/3		
300 MCM	MTMA150-GC		0.61	5.31	21/3	HT131-UC RHU131-C B1300-UCA	
		MTMA150/1	0.61	5.26	21/3		
350 MCM	MTMA185-GC	MTMA185/1	0.67	5.65	15/3		
500 MCM	MTMA240-GC	MTMA240/1	0.77	5.65	15/3		
	MTMAD300-GC		0.89	5.69	12/3		
600 MCM		MTMAD300/1	0.89	5.31	15/3		
	MTMA300-GC		0.92	8.58	15/3		
800 MCM		MTMA400/1	1.02	8.58	15/3		
1000 MCM	MTMA500-GC		1.15	8.60	12/3		
1250 MCM		MTMA500-40/1	1.15	8.58	15/3		
		MTMA630/1	1.28	8.60	12/3		



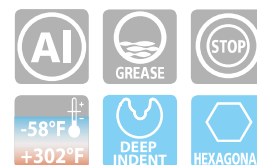
REDUCER THROUGH CONNECTORS

for aluminum or copper conductors

MTMA-GC



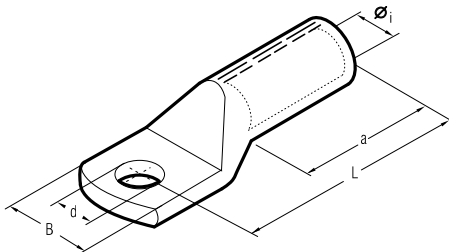
Conductor Size AWG		Type	Dimensions in.			Quantity Box/Bag	Hydraulic Tools	
Side A Al	Side B Al/Cu		ØA	ØB	L			
6	8	MTMA 16-10-GC	0.22	0.17	3.56	60/3	HT131-UC RHU131-C B1300-UCA	
4	8	MTMA 25-10-GC	0.25	0.17	3.56	60/3		
	6	MTMA 25-16-GC	0.25	0.22	3.56	60/3		
1/0	4	MTMA 50-25-GC	0.35	0.26	4.19	30/3		
	2	MTMA 50-35-GC	0.35	0.31	4.19	30/3		
2/0	2	MTMA 70-35-GC	0.43	0.31	4.19	30/3		
	1/0	MTMA 70-50-GC	0.43	0.35	4.19	30/3		
3/0	1/0	MTMA 95-50-GC	0.49	0.35	4.31	30/3		
	2/0	MTMA 95-70-GC	0.49	0.43	4.19	30/3		
250 MCM	2/0	MTMA 120-70-GC	0.54	0.43	5.24	21/3		
	3/0	MTMA 120-95-GC	0.54	0.49	5.24	30/3	HT131-UC RHU131-C B1300-UCA	
300 MCM	2/0	MTMA 150-70-GC	0.61	0.43	5.24	30/3		
	3/0	MTMA 150-95-GC	0.61	0.49	5.29	21/3		
350 MCM	250 MCM	MTMA 150-120-GC	0.61	0.54	5.24	21/3		
	250 MCM	MTMA 185-120-GC	0.67	0.54	5.65	15/3		
500 MCM	300 MCM	MTMA 185-150-GC	0.67	0.61	5.65	15/3		
	300 MCM	MTMA 240-150-GC	0.77	0.61	5.65	15/3		
	350 MCM	MTMA 240-185-GC	0.77	0.67	5.65	15/3		
600 MCM	3/0	MTMAD 300-95-GC	0.89	0.49	5.69	15/3		
	300 MCM	MTMAD 300-150-GC	0.89	0.61	5.69	15/3		
800 MCM	350 MCM	MTMAD 300-185-GC	0.89	0.67	5.69	15/3	HT120 HT131-C RHC131	ECW-H3D RHU230-630
	500 MCM	MTMAD 300-240-GC	0.89	0.77	5.69	12/3		
1000 MCM	500 MCM	MTMA 400-240-GC	1.02	0.77	8.58	15/3		
	600 MCM	MTMA 400-300-GC	1.02	0.92	8.58	15/3		
1000 MCM	600 MCM	MTMA 500-300-GC	1.15	0.92	8.58	12/3		
	800 MCM	MTMA 500-400-GC	1.15	1.02	8.58	12/3		



MTMA-GC series reducer through connectors are manufactured to the same specification as MTMA-GC series through connectors. Details of the appropriate crimping tools and dies are shown on pages 344 to 347.

for non-tension connections on aluminum conductors according to DIN EN 50182

Tube dimensions according to DIN 46329



Terminals type AAD..M.. are made from aluminum tube of a purity equal or greater than 99,5%. They are suitable for aluminum conductors according to DIN EN 50182, up to 10 kV.

All terminals are filled with a special grease that avoids aluminum oxidation after crimping thereby assuring an optimal compression. Barrel is closed with a cap for storage and transport.

Bright surface finish

The following data is stamped on the terminal:

- CEMBRE logo
- Terminal description
- Section
- Fixing bolt size
- Number and position of crimps
- CEMBRE Die reference according to DIN 48083

Details of the appropriate crimping tools and dies are shown on page 341.

Conductor Size AWG		Ø Stud in.	Ref.	Code	Dimensions in.					Quantity Bag	Hydraulic Tools					
rm sm	re se				Øi	B	L	d	a							
6	4	5/16"	AAD16-M8	12	0.23	0.71	2.05	0.33	1.26	50	HT45-E B450ND-BVA HT51 RH50 B500A B500NDA RH60C HT60C B600CA B600CND HT81-UD RHU81-D B1300L-CA and similar tools for U dies ECW-H3D RHU 450 RHU 520					
		3/8"	AAD16-M10	12	0.23	0.71	2.05	0.41	1.26	50						
4	2	5/16"	AAD25-M8	12	0.27	0.75	2.36	0.33	1.46	50						
		3/8"	AAD25-M10	12	0.27	0.75	2.36	0.41	1.46	50						
2	1/0	5/16"	AAD35-M8	14	0.31	0.83	2.64	0.33	1.65	35						
		3/8"	AAD35-M10	14	0.31	0.83	2.64	0.41	1.65	35						
		1/2"	AAD35-M12	14	0.31	0.83	2.64	0.51	1.65	35						
1/0	2/0	5/16"	AAD50-M8	16	0.39	0.98	2.83	0.33	1.65	30						
		3/8"	AAD50-M10	16	0.39	0.98	2.83	0.41	1.65	30						
		1/2"	AAD50-M12	16	0.39	0.98	2.83	0.51	1.65	30						
2/0	3/0	3/8"	AAD70-M10	18	0.44	1.1	3.27	0.41	2.05	15						
		1/2"	AAD70-M12	18	0.44	1.1	3.27	0.51	2.05	15						
		5/8"	AAD70-M16	18	0.44	1.1	3.27	0.67	2.05	15						
3/0	250 MCM	3/8"	AAD95-M10	22	0.52	1.26	3.54	0.41	2.17	10						
		1/2"	AAD95-M12	22	0.52	1.26	3.54	0.51	2.17	10						
		5/8"	AAD95-M16	22	0.52	1.34	3.54	0.67	2.17	10						
250 MCM	300 MCM	3/8"	AAD120-M10	22	0.58	1.26	3.58	0.41	2.17	10						
		1/2"	AAD120-M12	22	0.58	1.26	3.58	0.51	2.17	10						
		5/8"	AAD120-M16	22	0.58	1.34	3.58	0.67	2.17	10						
300 MCM	350 MCM	3/8"	AAD150-M10	25	0.65	1.38	4.09	0.41	2.36	8						
		1/2"	AAD150-M12	25	0.65	1.38	4.09	0.51	2.36	8						
		5/8"	AAD150-M16	25	0.65	1.38	4.09	0.67	2.36	8						
350 MCM	500 MCM	3/4"	AAD150-M20	25	0.65	1.61	4.09	0.83	2.36	8						
		1/2"	AAD185-M12	28	0.72	1.57	4.13	0.51	2.36	15						
		5/8"	AAD185-M16	28	0.72	1.57	4.13	0.67	2.36	15						
500 MCM	600 MCM	3/4"	AAD185-M20	28	0.72	1.57	4.13	0.83	2.36	15						
		1/2"	AAD240-M12	32	0.83	1.77	4.69	0.51	2.76	12						
		5/8"	AAD240-M16	32	0.83	1.77	4.69	0.67	2.76	12						
600 MCM		3/4"	AAD240-M20	32	0.83	1.77	4.69	0.83	2.76	12						
		1/2"	AAD300-M12	34	0.92	1.93	4.92	0.51	2.76	9						
		5/8"	AAD300-M16	34	0.92	1.93	4.92	0.67	2.76	9						
800 MCM		3/4"	AAD300-M20	34	0.92	1.93	4.92	0.83	2.76	9						
		1/2"	AAD400-M12	38	1.02	2.28	5.51	0.51	3.94	3						
		5/8"	AAD400-M16	38	1.02	2.28	5.51	0.67	3.94	3						
1000 MCM		3/4"	AAD400-M20	38	1.02	2.28	5.51	0.83	3.94	3						
		1/2"	AAD500-M12	44	1.14	2.48	6.3	0.51	3.94	3						
		5/8"	AAD500-M16	44	1.14	2.48	6.3	0.67	3.94	3						
		3/4"	AAD500-M20	44	1.14	2.48	6.3	0.83	3.94	3						

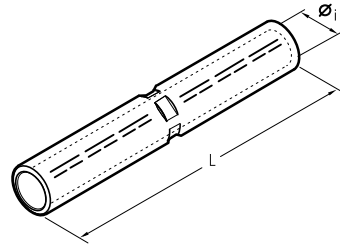
rm = round stranded
sm = sector stranded
re = round solid
se = sector solid

ALUMINUM THROUGH CONNECTORS

DSVA

for non-tension connections on aluminum conductors according to DIN EN 50182

Manufactured according to DIN 46267 Part 2



Conductor Size AWG		Code	Ref.	Dimensions in.		Quantity Bag	Hydraulic Tools					
rm	re			Øi	L							
6	4	12	DSVA16	0.23	2.17	30	HT45-E B450ND-BVA	HT51 RH50 B500A	RH60C HT60C B600CA	HT81-JD RHU81-D	B1300L-CA and similar tools for U dies	ECW-H3D
4	2	12	DSVA25	0.27	2.76	25						
2	1/0	14	DSVA35	0.31	3.35	25						
1/0	2/0	16	DSVA50	0.39	3.35	20						
2/0	3/0	18	DSVA70	0.44	4.13	20	HT51 RH50 B500A	RH60C HT60C B600CA	HT81-JD RHU81-D	B1300L-CA and similar tools for U dies	ECW-H3D	RHU 450
3/0	250 MCM	22	DSVA95	0.52	4.13	15						
250 MCM	300 MCM	22	DSVA120	0.58	4.13	15						
300 MCM	350 MCM	25	DSVA150	0.65	4.92	10						
350 MCM	500 MCM	28	DSVA185	0.72	4.92	10	HT51 RH50 B500A	RH60C HT60C B600CA	HT81-JD RHU81-D	B1300L-CA and similar tools for U dies	ECW-H3D	RHU 520
500 MCM	600 MCM	32	DSVA240	0.83	5.71	5						
600 MCM		34	DSVA300	0.92	5.71	10						
800 MCM		38	DSVA400	1.02	8.27	3						
		42	DSVA401	1.1	8.27	3	HT51 RH50 B500A	RH60C HT60C B600CA	HT81-JD RHU81-D	B1300L-CA and similar tools for U dies	ECW-H3D	RHU 520
1000 MCM		44	DSVA500	1.14	8.27	3						
		46	DSVA501	1.22	8.27	3						
1250 MCM		52	DSVA625	1.38	12.99	4						
1500 MCM		58	DSVA800	1.57	13.78	3	HT51 RH50 B500A	RH60C HT60C B600CA	HT81-JD RHU81-D	B1300L-CA and similar tools for U dies	ECW-H3D	RHU 520
2000 MCM		60	DSVA1000	1.73	13.78	3						

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



Crimping through connectors type DSVA.. are manufactured according to DIN 46267 part 2. The aluminum tube has a purity equal to or greater than 99.5%. The crimping through connectors are suitable for aluminum conductors according to DIN EN 50182, up to 10 kV.

All connectors are filled with a special grease that avoids aluminum oxidation after crimp and thus guarantees an optimal compression.

Barrels are capped for storage and transport.

On the connector following information is shown:

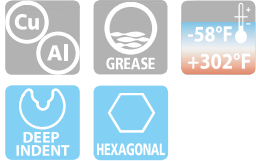
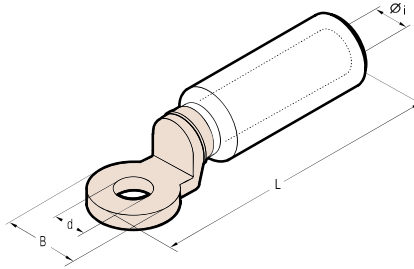
- CEMBRE logo
- Connector description
- Section
- Number and position of crimps
- Compression code according to DIN 48083

Details of the appropriate crimping tools and dies are shown on page 341.

CAA-M

BIMETALLIC CONNECTORS

copper palm fixing - aluminum barrels



The barrels of series CAA-M connectors are made from aluminum of a purity equal to or greater than 99.5%.

The barrel is friction welded to the palm thus achieving the best possible transition between the copper palm and aluminum barrel. Barrels are capped and filled with grease to avoid oxidation of the aluminum.

Details of the appropriate crimping tools and dies are shown on pages 343 to 347.

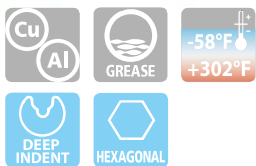
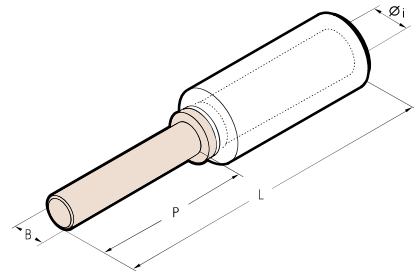
Conductor Size AWG	Ø Stud in.	Type	Dimensions in.				Quantity Box/Bag	Hydraulic Tools	
			Øi	B	L	d			
8	1/2"	CAA10-M12	0.17	0.94	3.43	0.51	60/3	HT131-UC RHU131-C B1300-UCA	
6	1/2"	CAA16-M12	0.22	0.94	3.43	0.51	60/3		
4	1/2"	CAA25-M12	0.26	0.94	3.43	0.51	60/3		
	1/2"	CAA35-M12	0.31	0.94	3.43	0.51	45/3		
2	1/2"	CAA35-20-M12	0.31	0.94	3.43	0.51	60/3		
1/0	1/2"	CAA50-M12	0.35	0.94	3.43	0.51	30/3		
2/0	1/2"	CAA70-M12	0.43	0.94	3.43	0.51	60/3		
	3/8"	CAA95-M10	0.49	0.94	3.43	0.41	30/3		
3/0	1/2"	CAA95-M12	0.49	0.94	3.43	0.51	30/3		
250 MCM	1/2"	CAA120-M12	0.54	1.22	4.37	0.51	24/3		
300 MCM	1/2"	CAA150-M12	0.61	1.22	4.37	0.51	24/3	HT120 HT131-C RHC131 ECW43D RHU230-630	
350 MCM	1/2"	CAA185-M12	0.67	1.38	4.57	0.51	18/3		
500 MCM	1/2"	CAA240-M12	0.77	1.38	4.57	0.51	18/3		
	1/2"	CAA300-34-M12	0.89	1.38	4.72	0.51	15/3		
600 MCM	9/16"	CAA300-34-M14	0.89	1.38	4.72	0.60	15/3		
	5/8"	CAA300-34-M16	0.89	1.38	4.72	0.67	15/3		
	5/8"	CAA300-M16	0.92	1.38	6.00	0.65	9/3		
800 MCM	1/2"	CAA400-M12	1.02	1.38	6.00	0.51	9/3		
	5/8"	CAA400-M16	1.02	1.38	6.00	0.65	9/3		
1000 MCM	5/8"	CAA500-M16TNBD	1.15	1.38	6.00	0.65	9/3		
1250 MCM	5/16"	CAA630-4M8	1.28	2.36	7.87	4 x 0.35*	9/3		

* 4 holes with 30 mm between axes

MTA-C

BIMETALLIC CONNECTORS

copper pin - aluminum barrels



The barrels of series MTA-C connectors are made from aluminum of a purity equal to or greater than 99.5%.

The barrel is friction welded to the pin thus achieving the best possible transition between the copper pin and aluminum barrel.

Barrels are capped and filled with grease to avoid oxidation of the aluminum.

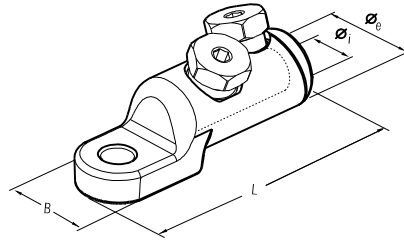
Details of the appropriate crimping tools and dies are shown on pages 344 to 347.

Conductor Size AWG	Type	Dimensions in.				Quantity Box/Bag	Hydraulic Tools
		Øi	B	P	L		
6	MTA16-C	0.22	0.31	1.18	3.23	90/3	HT131-UC RHU131-C B1300-UCA
4	MTA25-C	0.26	0.31	1.18	3.23	90/3	
2	MTA35-C	0.31	0.31	1.18	3.23	90/3	
1/0	MTA50-C	0.35	0.47	1.77	3.82	60/3	
2/0	MTA70-C	0.43	0.47	1.77	3.82	60/3	
3/0	MTA95-C	0.49	0.47	1.77	3.82	60/3	
250 MCM	MTA120-C	0.54	0.55	2.17	4.92	30/3	
300 MCM	MTA150-C	0.61	0.55	2.17	4.92	30/3	
350 MCM	MTA185-C	0.67	0.55	2.17	4.92	24/3	
500 MCM	MTA240-C	0.77	0.55	2.17	4.92	24/3	

MECHANICAL LUGS

For Low and Medium voltage Al/Cu conductors

MLA-NC



Conductor Size AWG	Type	Ø Stud in.	Dimensions in.				N° of Bolts	Number of centring devices	Quantity Box/Bag
			Øe	Øi	B	L			
1/0 - 500 MCM	MLA50-240-12NC	1/2"	1.30	0.81	1.30	4.19*	2	3 	1/10

* without centring devices



CEMBRE range-taking mechanical connectors are intended for use with copper and aluminum conductors, for low and medium voltage (up to 52kV) installations, in indoor, outdoor and underground applications.

Mechanical connector bodies (pic.1) are made from aluminum EN-AW 2011 T6 with cross sectional area and barrel length designed

to optimize electrical connectivity. Internal surfaces are protected against oxidation by grease with a very high dropping point, while the tin plating on external surfaces has a minimum thickness of 12 µm for improved surface protection.

Shear bolts (pic.2) are made from the same material and designed to ensure a reliable electrical connection simply by tightening the

bolts with a standard socket until shearing occurs inside the threaded hole without external protrusion.

To minimize voltage stresses, connectors are provided with centring devices (pic.3) to improve the alignment of the different conductor sizes.

Key features:

- Wide range of conductor cross sections
- Suitable for copper and aluminum conductors
- Tested according to IEC 61238
- Torque controlled to guarantee a good electrical contact
- Reduces inventory levels
- Easy installation - only requires a standard socket
- Reduced installation time

Pic.



Conductor Size AWG	Centring device	
	Color	Type
1/0 - 2/0 - 3/0	Red	
250 MCM 300 MCM	Blue	
350 MCM	Yellow	
500 MCM	Not required	

Pic. 3