

COLOR CODED COPPER CRIMPING LUGS - C SERIES
for copper conductors**Description:**

- C series cable lugs are manufactured from electrolytic copper tube, with enough section to guarantee both, good electrical connection and sufficient traction resistance.
- Manufactured from electrolytic copper tube Cu-OF CW008A conform to UNI EN I 3600:2003
- Annealed and electrolytically tin plated with a minimum thickness of 3µm to avoid oxidation.
- The annealing process optimizes the structural features of the material allows an easier crimping and guarantees the use of the connector even with mechanical solicitations of various nature.
- 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.

Each connector is marked as follows:

- trade mark and Cembre catalogue number.
- section and nature of the conductor (AWG).
- die index for Cembre tools.
- color code.

Markings:

 - **UL listed for US and Canada per UL486A-486B (file E125401).**
File no. E125401

Cembre SpA

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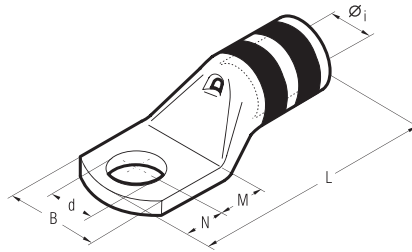
Web: www.cembre.com - Email: info@cembre.com

Prepared by: Marketing dept.

Date: 22/06/2016

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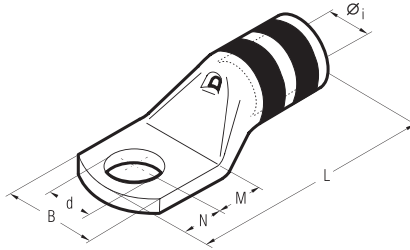
Sections and Dimensions:



Conductor AWG	Ø Stud in.	Ref.	Dimensions in.						Color Code	Quantity Box	Mechanical Tools	Hydraulic Tools			
			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	B15Y				
		# 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		600/50					
		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					
6	23	# 8 C6-8	0.23	0.45	0.20	0.16	1.00	0.17	BLUE	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	1.67	0.52		400/50					
4	40	# 8 C4-8	0.24	0.49	0.20	0.16	1.10	0.17	GRAY	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					
3	50	# 8 C3-8	0.28	0.55	0.20	0.16	1.10	0.17	WHITE	600/50	TN 70 BEY				
		# 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					
2	60	# 10 C2-10	0.30	0.67	0.26	0.24	1.30	0.21	BROWN	400/50	TN 120 BEY	B35-50A	HT 51	HT 51L	RH 50 - B 51 A - B 51 LA - B 55-1C
		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					
1	75	5/16 C1-516	0.35	0.67	0.35	0.31	1.52	0.33	GREEN	400/50					
		3/8 C1-38	0.35	0.75	0.43	0.39	1.67	0.41		400/50					
		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					
1/0	100	1/2 C1/0-12	0.39	0.83	0.55	0.47	2.03	0.52	PINK	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					
2/0	125	1/2 C2/0-12	0.44	0.87	0.55	0.47	2.17	0.52	BLACK	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		200/25					
3/0	150	3/8 C3/0-38	0.49	0.91	0.43	0.39	2.01	0.41	ORANGE	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					

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Sections and Dimensions:


Conductor AWG	Ø Stud in.	Ref.	Dimensions in.						Color Code	Quantity Box
			Øi	B	M	N	L	d		
4/0	1/4	C4/0-14	0.53	0.98	0.31	0.28	1.99	0.25	PURPLE	100/25
	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	3/4	C4/0-34	0.53	1.16	0.87	0.79	3.05	0.83	50/25	
	1/4	C250-14	0.60	1.12	0.31	0.28	2.05	0.25	YELLOW	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
5/8	C250-58	0.60	1.12	0.71	0.63	2.80	0.67	50/25		
300 MCM	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	WHITE	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
	9/16	C300-916	0.66	1.24	0.71	0.63	3.11	0.59		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		
350 MCM	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	RED	40/20
	1/2	C350-12	0.69	1.30	0.63	0.55	3.01	0.52		40/20
	9/16	C350-916	0.69	1.30	0.71	0.63	3.17	0.59		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		
400 MCM	3/8	C400-38	0.76	1.40	0.51	0.43	2.99	0.41	BLUE	40/20
	1/2	C400-12	0.76	1.40	0.63	0.55	3.23	0.52		40/20
	9/16	C400-916	0.76	1.40	0.71	0.63	3.39	0.59		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
500 MCM	3/8	C500-38	0.83	1.54	0.51	0.43	3.23	0.41	BROWN	30/15
	1/2	C500-12	0.83	1.54	0.63	0.55	3.46	0.52		30/15
	9/16	C500-916	0.83	1.54	0.71	0.63	3.62	0.59		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
600 MCM	1/2	C600-12	0.93	1.73	0.79	0.55	3.90	0.52	GREEN	20/10
	9/16	C600-916	0.93	1.73	0.87	0.63	4.06	0.59		20/10
	5/8	C600-58	0.93	1.73	0.87	0.75	4.17	0.67		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
	750 MCM	1/2	C750-12	1.02	1.89	0.87	0.75	4.45		0.52
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	

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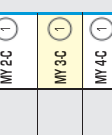
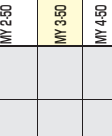
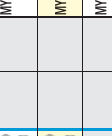

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for copper conductors

Die
Selector
Chart:

DIE SELECTOR CHART

HYDRAULIC TOOLS																			
APPLICATION	CONDUCTOR		CONNECTOR		B 15Y		B35-50A		HT 51 HT 51L RH 50 B 51LA B 51A B 51C		B131LN-CA and similar tools for U dies		B 150A		ECW-H3D		RHU 520		
	Conductor Size AWG	AWG	TERMINAL	SPLICE	DIE SET	NEST	INDENTOR	DIE SET	NEST	INDENTOR	DIE SET	NEST	INDENTOR	DIE SET	NEST	INDENTOR	DIE SET	NEST	INDENTOR
Cl...	8	23	C8..	ESQ.3	MEZ/2-15 (1) MEZ/3-15 (1) MAC3/2-15 (1)			MY 2-50 (1)											
Cl...	6		C6..	ESQ.6	MEZ/2-15 (1) MEZ/3-15 (1) MAC3/2-15 (1)			MY 3-50 (1)											
	4	40	C4..	ESQ.4				MY 4-50 (1)											
	3	50	C3..	ESQ.3				MY 5-50 (1)											
	2	60	C2..	ESQ.2				MY 6-50 (1)											
	1	75	C1..	ESQ.1				MY 7-50 (1)											
	1/0	100	C1/0..	ESQ.1/0				MY 10-50 (2)											
	2/0	125	C2/0..	ESQ.2/0				MY 14-50 (2)											
	3/0	150	C3/0..	ESQ.3/0				MY 16-50 (2)											
	4/0	200	C4/0..	ESQ.4/0				MY 19-50 (2)											
	250 MCM		C250..	ESQ.250				MY 24-50 (2)											
	300 MCM		C300..	ESQ.300				MY 30-50 (2)											
	350 MCM		C350..	ESQ.350															
	400 MCM		C400..	ESQ.400															
	500 MCM		C500..	ESQ.500															
	600 MCM		C600..	ESQ.600															
	750 MCM		C750..	ESQ.750															

COPPER CONDUCTORS

○ = Circular crimp ◻ = Hexagonal crimp ◕ = Indent crimp
M.B.: Number inside symbol indicates the number of crimps for C short barrel Lugs only

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