

Color-coded compression connectors

Type C – Compression connectors covers



- Hinged polyethylene cover
- Installs easily, quickly – less expensive than taping
- Positive snap-locks fasten securely
- Drain ports prevent accumulation of corrosion-causing moisture
- Ultra-violet stabilized

Type C – Compression connectors covers

Cat. no.	Capacity*	Dimensions (in.)		
		Height	Length	Width
C2BB	All 5⁄8 in. and O.D. Die taps, 2 in. long or less	1.10	4.00	1.05
C5C	All "O" Die taps, 1 3⁄4 in. long or less	1.60	3.75	1.25
C7C	All "D" Die taps, 2 1⁄2 in. long or less	1.80	5.00	1.45
C9	All "N" and "D" Die taps, up to 2 in. long	2.75	4.25	2.00
C9L	All "N" and "D" Die taps, up to 5 in. long	2.75	7.25	2.00

* Before compression.

Color-coded compression connectors

Type CTL – Copper lugs, one-hole mount, short barrel



Copper compression connectors

- For use with copper conductors: AWG stranded, flexible cable, welding cable and portable cord
- Specially designed for industrial and building applications
- Made of high-conductivity seamless copper tubing
- Tin-plated for corrosion resistance
- Specially chamfered barrel for ease of installation
- Color-coded for matching die identification
- Can be used for medium voltage application up to 35 kV, provided proper insulation techniques are used

- CSA certified and UL listed for AWG conductors when installed with Blackburn, Burndy, ABB or Anderson tools, as specified by CSA
- Comply with Subpart 111.60-17 of Federal Register's Coast Guard Electrical Engineering Rules and Regulations

Short barrel connectors

- Short barrel connectors designed for regular-duty applications
- Ideal for confined areas

Type CTL – Copper lugs, one-hole mount, short barrel



Cat. no.	Conductor size (Cu)	Stud size (in.)	Dimensions (in.)							Color code
A	B	C	L	W	T					
CTL8-10	8 str.	10	$1\frac{3}{32}$	$\frac{1}{2}$	$\frac{7}{32}$	$1\frac{3}{32}$	$\frac{3}{8}$	$\frac{1}{16}$		Red
CTL8-14	8 str.	$\frac{1}{4}$	$1\frac{3}{32}$	$1\frac{9}{32}$	$\frac{1}{4}$	$1\frac{3}{16}$	$\frac{7}{16}$	$\frac{1}{16}$		
CTL8-516	8 str.	$\frac{5}{16}$	$1\frac{3}{32}$	$\frac{5}{8}$	$\frac{9}{32}$	$1\frac{1}{16}$	$\frac{9}{16}$	$\frac{1}{16}$		
CTL6-10	6 str.	10	$\frac{7}{16}$	$1\frac{7}{32}$	$\frac{7}{32}$	$1\frac{7}{32}$	$\frac{7}{16}$	$\frac{1}{16}$		Blue
CTL6-14	6 str.	$\frac{1}{4}$	$\frac{7}{16}$	$1\frac{7}{32}$	$\frac{7}{32}$	$1\frac{7}{32}$	$\frac{7}{16}$	$\frac{1}{16}$		
CTL6-516	6 str.	$\frac{5}{16}$	$\frac{7}{16}$	$2\frac{1}{32}$	$\frac{9}{32}$	$1\frac{13}{32}$	$1\frac{9}{32}$	$\frac{1}{16}$		
CTL6-38	6 str.	$\frac{3}{8}$	$\frac{7}{16}$	$2\frac{1}{32}$	$\frac{9}{32}$	$1\frac{13}{32}$	$1\frac{9}{32}$	$\frac{1}{16}$		
CTL4-10	4 str.	10	$\frac{1}{2}$	$1\frac{9}{32}$	$\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{32}$	$\frac{3}{32}$		Gray
CTL4-14	4 str.	$\frac{1}{4}$	$\frac{1}{2}$	$1\frac{9}{32}$	$\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{7}{32}$	$\frac{3}{32}$		
CTL4-516	4 str.	$\frac{5}{16}$	$\frac{1}{2}$	$2\frac{1}{32}$	$\frac{5}{16}$	$1\frac{13}{32}$	$1\frac{9}{32}$	$\frac{1}{16}$		
CTL4-38	4 str.	$\frac{3}{8}$	$\frac{1}{2}$	$2\frac{1}{32}$	$\frac{5}{16}$	$1\frac{13}{32}$	$1\frac{9}{32}$	$\frac{1}{16}$		
CTL2-14	2 + 3 str.	$\frac{1}{4}$	$1\frac{9}{32}$	$2\frac{1}{32}$	$\frac{1}{4}$	$1\frac{1}{2}$	$\frac{9}{16}$	$\frac{3}{32}$		Brown
CTL2-516	2 + 3 str.	$\frac{5}{16}$	$1\frac{9}{32}$	$\frac{7}{8}$	$\frac{3}{8}$	$1\frac{23}{32}$	$\frac{9}{16}$	$\frac{3}{32}$		
CTL2-38	2 + 3 str.	$\frac{3}{8}$	$1\frac{9}{32}$	$2\frac{9}{32}$	$\frac{3}{8}$	$1\frac{3}{4}$	$\frac{9}{16}$	$\frac{3}{32}$		
CTL2-12	2 + 3 str.	$\frac{1}{2}$	$1\frac{9}{32}$	$1\frac{1}{16}$	$\frac{1}{2}$	$1\frac{29}{32}$	$\frac{3}{4}$	$\frac{1}{16}$		
CTL114	1 str.	$\frac{1}{4}$	$1\frac{9}{32}$	$2\frac{1}{32}$	$\frac{1}{4}$	$1\frac{1}{2}$	$2\frac{1}{32}$	$\frac{3}{32}$		Green
CTL1516	1 str.	$\frac{5}{16}$	$1\frac{9}{32}$	$\frac{7}{8}$	$\frac{3}{8}$	$1\frac{23}{32}$	$2\frac{1}{32}$	$\frac{3}{32}$		
CTL138	1 str.	$\frac{3}{8}$	$1\frac{9}{32}$	$2\frac{9}{32}$	$\frac{3}{32}$	$1\frac{3}{4}$	$2\frac{1}{32}$	$\frac{3}{32}$		
CTL112	1 str.	$\frac{1}{2}$	$1\frac{9}{32}$	$1\frac{1}{4}$	$\frac{1}{2}$	$2\frac{3}{32}$	$\frac{3}{4}$	$\frac{3}{32}$		
CTL10-516	1/0 str.	$\frac{5}{16}$	$1\frac{1}{16}$	$\frac{7}{8}$	$\frac{3}{8}$	$1\frac{13}{16}$	$\frac{3}{4}$	$\frac{1}{8}$		Pink
CTL10-38	1/0 str.	$\frac{3}{8}$	$1\frac{1}{16}$	$2\frac{9}{32}$	$\frac{3}{8}$	$1\frac{7}{8}$	$\frac{3}{4}$	$\frac{1}{8}$		
CTL10-12	1/0 str.	$\frac{1}{2}$	$1\frac{1}{16}$	$1\frac{1}{4}$	$\frac{1}{2}$	$2\frac{3}{16}$	$\frac{3}{4}$	$\frac{1}{8}$		
CTL20-38	2/0 str.	$\frac{3}{8}$	$1\frac{3}{16}$	$2\frac{9}{32}$	$\frac{3}{8}$	$2\frac{1}{32}$	$1\frac{3}{16}$	$\frac{1}{8}$		Black
CTL20-12	2/0 str.	$\frac{1}{2}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$\frac{1}{2}$	$2\frac{11}{32}$	$1\frac{3}{16}$	$\frac{1}{8}$		
CTL30-38	3/0 str.	$\frac{3}{8}$	$1\frac{3}{16}$	$2\frac{9}{32}$	$\frac{3}{8}$	$2\frac{1}{32}$	$2\frac{9}{32}$	$\frac{1}{8}$		Orange
CTL30-12	3/0 str.	$\frac{1}{2}$	$1\frac{3}{16}$	$1\frac{1}{4}$	$\frac{1}{2}$	$2\frac{11}{32}$	$2\frac{9}{32}$	$\frac{1}{8}$		

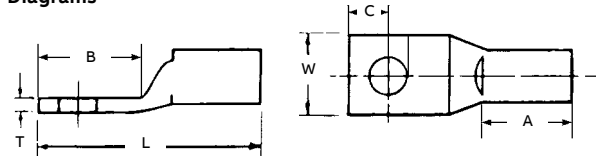
See the Color-Keyed tools, dies and kits catalogue for more tool and die information.

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Cat. no.	Conductor size (Cu)	Stud size (in.)	Dimensions (in.)							Color code
A	B	C	L	W	T					
CTL40-38	4/0 str. or 3/0 weld	$\frac{3}{8}$	$1\frac{5}{16}$	$2\frac{9}{32}$	$\frac{3}{8}$	$2\frac{5}{32}$	$1\frac{3}{32}$	$\frac{1}{8}$		Purple
CTL40-12	4/0 str. or 3/0 weld	$\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{1}{4}$	$\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{1}{32}$	$\frac{1}{8}$		
CTL250-12	250 kcmil or 4/0 weld	$\frac{1}{2}$	$1\frac{1}{32}$	$1\frac{1}{4}$	$\frac{1}{2}$	$2\frac{19}{32}$	$1\frac{1}{8}$	$\frac{1}{8}$		Yellow
CTL300-12	300 kcmil	$\frac{1}{2}$	$1\frac{1}{32}$	$1\frac{1}{4}$	$\frac{1}{2}$	$2\frac{25}{32}$	$1\frac{3}{16}$	$\frac{5}{32}$		White
CTL350-12	350 kcmil	$\frac{1}{2}$	$1\frac{1}{32}$	$1\frac{1}{4}$	$\frac{1}{2}$	$2\frac{25}{32}$	$1\frac{11}{32}$	$\frac{5}{32}$		Red
CTL400-12	400 kcmil	$\frac{1}{2}$	$1\frac{1}{32}$	$1\frac{1}{4}$	$\frac{1}{2}$	$3\frac{3}{16}$	$1\frac{13}{32}$	$\frac{5}{32}$		Blue
CTL400-58	400 kcmil	$\frac{5}{8}$	$1\frac{1}{32}$	$1\frac{9}{16}$	$\frac{5}{8}$	$3\frac{1}{2}$	$1\frac{13}{32}$	$\frac{5}{32}$		
CTL500-12	500 kcmil	$\frac{1}{2}$	$1\frac{1}{32}$	$1\frac{1}{4}$	$\frac{1}{2}$	$3\frac{1}{4}$	$1\frac{19}{32}$	$\frac{7}{32}$		Brown
CTL500-58	500 kcmil	$\frac{5}{8}$	$1\frac{1}{32}$	$1\frac{9}{16}$	$\frac{5}{8}$	$3\frac{3}{16}$	$1\frac{19}{32}$	$\frac{7}{32}$		
CTL600-58	600 kcmil	$\frac{5}{8}$	$1\frac{9}{16}$	$1\frac{9}{16}$	$\frac{5}{8}$	$3\frac{23}{32}$	$1\frac{3}{4}$	$\frac{7}{32}$		Green
CTL750-58	750 kcmil	$\frac{5}{8}$	$1\frac{1}{2}$	$1\frac{9}{16}$	$\frac{5}{8}$	$3\frac{25}{32}$	$1\frac{29}{32}$	$\frac{1}{4}$		Black
CTL1000-58	1,000 kcmil	$\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{9}{16}$	$\frac{5}{8}$	$4\frac{1}{32}$	$2\frac{1}{4}$	$\frac{9}{32}$		–

Diagrams



Color-coded compression connectors

Type CTL – Copper lugs, two-hole mount, short barrel



Copper compression connectors

- For use with copper conductors: AWG stranded, flexible cable, welding cable and portable cord
- Specially designed for industrial and building applications
- Made of high-conductivity seamless copper tubing
- Tin-plated for corrosion resistance
- Specially chamfered barrel for ease of installation
- Color-coded for matching die identification
- Can be used for medium voltage application up to 35 kV, provided proper insulation techniques are used

- CSA certified and UL listed for AWG conductors when installed with Blackburn, Burndy, ABB or Anderson tools, as specified by CSA
- Comply with Subpart 111.60-17 of Federal Register's Coast Guard Electrical Engineering Rules and Regulations

Short barrel connectors

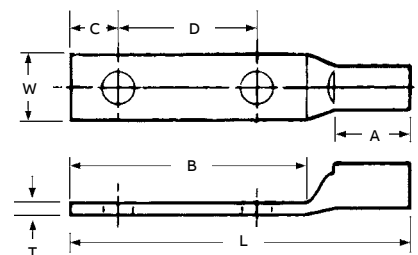
- Short barrel connectors designed for regular-duty applications
- Ideal for confined areas

Type CTL – Copper lugs, two-hole mount, short barrel



Cat. no.	Conductor size (Cu)	Stud size (in.)	Dimensions (in.)							Color code
			A	B	C	D	L	W	T	
CTL6-214	6 str.	1/4	1/2	1 1/4	1/4	5/8	1 31/32	13/32	1/16	Blue
CTL4-214	4 str.	1/4	1/2	1 1/4	1/4	5/8	2 1/32	1/2	3/32	Gray
CTL2-2516	2 + 3 str.	5/16	19/32	1 5/8	3/8	3/4	2 15/32	9/16	3/32	Brown
CTL1-2516	1 str.	5/16	19/32	1 3/4	3/8	7/8	2 19/32	21/32	3/32	Green
CTL10-2516	1/0 str.	5/16	11/16	1 3/4	3/8	7/8	2 11/16	3/4	1/8	Pink
CTL202	2/0 str.	1/2	13/16	2 13/16	1/2	1 3/4	3 13/16	13/16	1/8	Black
CTL302	3/0 str.	1/2	25/32	2 13/16	1/2	1 3/4	3 15/16	15/16	1/8	Orange
CTL402	4/0 str.	1/2	15/16	3	1/2	1 3/4	4 1/4	1 3/32	1/8	Purple
CTL2502	250 kcmil	1/2	1 1/32	3	1/2	1 3/4	4 11/32	1 1/8	5/32	Yellow
CTL3002	300 kcmil	1/2	1 1/32	3	1/2	1 3/4	4 17/32	1 3/16	5/32	White
CTL3502	350 kcmil	1/2	1 1/32	3	1/2	1 3/4	4 17/32	1 11/32	5/32	Red
CTL4002	400 kcmil	1/2	1 11/32	3	1/2	1 3/4	4 15/16	1 13/32	5/32	Blue
CTL5002	500 kcmil	1/2	1 3/8	3	1/2	1 3/4	5	1 17/32	7/32	Brown
CTL6002-38	600 kcmil	3/8	1 17/32	1 29/32	3/8	1 3/4	5 1/8	1 23/32	7/32	Green
CTL6002-12	600 kcmil	1/2	1 17/32	3	1/2	1 3/4	5 1/8	1 23/32	7/32	Green
CTL7502	750 kcmil	1/2	1 1/2	3	1/2	1 3/4	5 7/32	1 29/32	1/4	Black
CTL10002	1,000 kcmil	1/2	1 3/4	3	1/2	1 3/4	5 7/16	2 1/4	9/32	–

Diagrams



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Color-coded compression connectors

Type CTL – Copper lugs, one-hole mount, long barrel



Copper compression connectors

- For use with copper conductors: AWG stranded, flexible cable, welding cable and portable cord
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Long barrel connectors

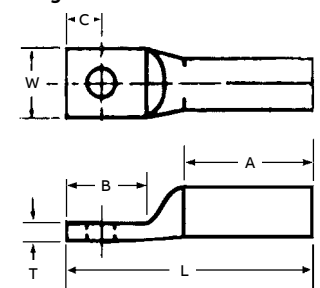
- Ideal for industrial, oil rig, mining, welding and transportation electrical termination applications
- Heavy-duty design which permits additional crimp for added mechanical strength

Type CTL – Copper lugs, one-hole mount, long barrel



Cat. no.	Conductor size (Cu)	Flexible conductor size	Stranded	Stud size (in.)	Dimensions (in.)						Color code
					A	B	C	L	W	T	
CTL8L-14	8 str.	1/4	37/24	1/4	25/32	5/8	1/4	1-5/8	13/32	1/16	Red
CTL6L-14	6 str.	1/4	61/24	1/4	25/32	5/8	1/4	1-5/8	13/32	1/16	Blue
CTL4L-14	4 str.	5/16	91/24	1/4	25/32	5/8	1/4	1 11/16	1/2	3/32	Gray
CTL2L-516	2 + 3 str.	5/16	125/24	5/16	7/8	7/8	3/8	2 1/32	9/16	3/32	Brown
CTL1L-516	1 str.	5/16	150/24	5/16	1 3/32	7/8	3/8	2 5/32	21/32	3/32	Green
CTL10L-516	1/0 str.	1/2	225/24	5/16	1 3/32	7/8	3/8	2 7/32	3/4	1/8	Pink
CTL20L-38	2/0 str.	1/2	275/24	3/8	1 3/32	29/32	3/8	2 1/4	13/16	1/8	Black
CTL30L-12	3/0 str.	1/2	325/24	1/2	1 1/8	1 1/4	1/2	2 11/16	29/32	1/8	Orange
CTL40L-12	4/0 str.	1/2	–	1/2	1 3/8	1 1/4	1/2	2 15/16	1 1/32	1/8	Purple
CTL250L-12	250 kcmil	1/2	450/24	1/2	1 19/32	1 1/4	1/2	3 3/8	1 1/8	1/8	Yellow
CTL300L-12	300 kcmil	1/2	550/24	1/2	1 25/32	1 1/4	1/2	3 17/32	1 3/16	1/8	White
CTL350L-12	350 kcmil	1/2	650/24	1/2	1 27/32	1 1/4	5/8	3 19/32	1 11/32	5/32	Red
CTL400L-58	400 kcmil	5/8	775/24	5/8	1 27/32	1 9/16	5/8	4 1/32	1 13/32	5/32	Blue
CTL500L-58	500 kcmil	5/8	925/24	5/8	2 11/32	1 9/16	5/8	4 1/2	1 19/32	3/16	Brown
CTL600L-58	600 kcmil	5/8	1,100/24	5/8	2 1/8	1 9/16	5/8	4 5/16	1 23/32	7/32	Green
CTL750L-58	750 kcmil	5/8	1,325/24	5/8	2 3/8	1 9/16	5/8	4 21/32	1 29/32	1/4	Black
CTL1000L-58	1,000 kcmil	5/8	1,600/24 1,925/24	5/8	2 7/8	1 9/16	5/8	5 3/32	2 1/4	9/32	–

Diagrams



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Color-coded compression connectors

Type LCN – Copper lugs, two-hole mount, long barrel



Copper compression connectors

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Long barrel connectors

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Type LCN – Copper lugs, two-hole mount, long barrel



Cat. no.	Conductor size (Cu)	Flexible conductor size	Stranded	Stud size (in.)	Dimensions (in.)							Color code
					A	B	C	D	L	W	T	
LCN8-14	8 str.	8	37/24	1/4	25/32	1 3/16	1/4	5/8	2 1/8	15/32	1/16	Red
LCN6-14	6 str.	6	61/24	1/4	25/32	1 1/4	1/4	5/8	1 1/4	13/32	1/16	Blue
LCN6-12	6 str.	6	61/24	1/2	25/32	3	1/2	1 3/4	4 3/32	7/8	3/32	Blue
LCN4-14	4 str.	5	91/24	1/4	25/32	1 3/16	1/4	5/8	2 3/16	17/32	3/16	Gray
LCN4-12	4 str.	5	91/24	1/2	25/32	3	1/2	1 3/4	4 3/32	7/8	3/32	Gray
LCN2-516	2 + 3 str.	3	125/24	5/16	7/8	1 5/8	3/8	3/4	2 15/16	9/16	3/32	Brown
LCN2-12	2 str.	3	125/24	1/2	7/8	3	1/2	1 3/4	4 1/4	7/8	3/32	Brown
LCN1-516	1 str.	2	150/24	5/16	1 1/32	1 5/8	3/8	7/8	2 31/32	21/32	3/32	Green
LCN1-12	1 str.	2	150/24	1/2	1 1/32	3	1/2	1 3/4	4 13/32	7/8	3/32	Green
LCN10	1/0 str.	1	225/24	1/2	1 1/32	3	1/2	1 3/4	3 31/32	3/4	1/8	Pink
LCN20	2/0 str.	1/0	275/24	1/2	1 5/16	3	1/2	1 3/4	4 3/16	13/16	1/8	Black
LCN30	3/0 str.	2/0	325/24	1/2	1 1/8	2 15/16	1/2	1 3/4	4 7/16	15/16	1/8	Orange
LCN40	4/0 str.	–	–	1/2	1 3/8	3	1/2	1 3/4	4 11/16	1 1/32	1/8	Purple
LCN250	250 kcmil	3/0	450/24	1/2	1 19/32	3	1/2	1 3/4	4 29/32	1 1/16	1/8	Yellow
LCN300	300 kcmil	4/0	550/24	1/2	1 25/32	3	1/2	1 3/4	5 3/32	1 3/16	1/8	White
LCN350	350 kcmil	263	650/24	1/2	1 27/32	3	1/2	1 3/4	5 11/32	1 11/32	5/32	Red
LCN400	400 kcmil	313	775/24	1/2	1 27/32	3	1/2	1 3/4	5 7/16	1 13/32	5/32	Blue
LCN500	500 kcmil	373	925/24	1/2	2 11/32	3	1/2	1 3/4	5 15/16	1 19/32	3/16	Brown
LCN600	600 kcmil	444	1,100/24	1/2	2 1/8	3	1/2	1 3/4	5 3/4	1 23/32	7/32	Green
LCN75	750 kcmil	535	1,325/24	1/2	2 3/8	3	1/2	1 3/4	6 3/32	1 29/32	1/4	Black
LCN99	1,000 kcmil	646 777	1,600/24 1,925/24	1/2	2 7/8	3	1/2	1 3/4	6 19/32	2-1/4	9/32	–

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Color-coded compression connectors

Type CSP – Copper splices, short barrel



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Short barrel connectors

- Short barrel connectors designed for regular-duty applications
- Ideal for confined areas

Type CSP – Copper splices, short barrel



Cat. no.	Conductor size (Cu)	Length (in.)	Color code
CSP8	8 str.	1	Red
CSP6	6 str.	1	Blue
CSP4	4 str.	1	Gray
CSP2	2 + 3 str.	1¼	Brown
CSP1	1 str.	1½	Green
CSP10	1/0 str.	1⅝	Pink
CSP20	2/0 str.	1¾	Black
CSP30	3/0 str.	1¾	Orange
CSP40	4/0 str.	1⅞	Purple
CSP250	250 kcmil	2¼	Yellow
CSP300	300 kcmil	1⅞	White
CSP350	350 kcmil	2¼	Red
CSP400	400 kcmil	2¾	Blue
CSP500	500 kcmil	2¾	Brown
CSP600	600 kcmil	3	Green
CSP750	750 kcmil	3	Black
CSP1000	1,000 kcmil	3⅞	

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Color-coded compression connectors

Type CU – Copper splices, long barrel



Copper Compression Connectors

- For use with copper conductors: AWG stranded, flexible cable, welding cable and portable cord
- Specially designed for industrial and building applications
- Made of high-conductivity seamless copper tubing
- Tin-plated for corrosion resistance
- Specially chamfered barrel for ease of installation
- Color-coded for matching die identification
- Can be used for medium voltage application up to 35 kV, provided proper insulation techniques are used

- CSA certified and UL listed for AWG conductors when installed with Blackburn, Burndy, ABB or Anderson tools, as specified by CSA
- Comply with Subpart 111.60-17 of Federal Register's Coast Guard Electrical Engineering Rules and Regulations

Long Barrel Connectors

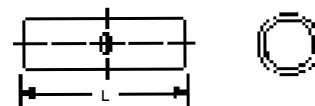
- Ideal for industrial, oil rig, mining, welding and transportation electrical termination applications
- Heavy-duty design which permits additional crimp for added mechanical strength

Type CU – Copper splices, long barrel



Cat. no.	Conductor size (Cu)	Flexible conductor		Stud size (in.)	Length (in.)	Color code
		CMA	Stranded			
CU8	8 str.	8	37/24	1/4	1 3/4	Red
CU6	6 str.	6	61/24	1/4	1 3/4	Blue
CU4	4 str.	5	91/24	1/4	1 3/4	Gray
CU2	2 + 3 str.	3	125/24	5/16	1 7/8	Brown
CU1	1 str.	2	150/24	5/16	2	Green
CU10	1/0 str.	1	225/24	5/16	2	Pink
CU20	2/0 str.	1/2	275/24	3/8	2 1/8	Black
CU30	3/0 str.	2/0	325/24	1/2	2 1/4	Orange
CU40	4/0 str.	–	–	1/2	2 3/4	Purple
CU250	250 kcmil	3/0	450/24	1/2	3 3/8	Yellow
CU300	300 kcmil	4/0	550/24	1/2	3 1/2	White
CU350	350 kcmil	263	650/24	1/2	3 3/4	Red
CU400	400 kcmil	313	775/24	5/8	3 3/4	Blue
CU500	500 kcmil	373	925/24	5/8	4 3/4	Brown
CU600	600 kcmil	444	1,100/24	5/8	4 1/4	Green
CU750	750 kcmil	535	1,325/24	5/8	4 3/4	Black
CU1000	1,000 kcmil	646 777	1,600/24 1,925/24	5/8	5 5/8	

Diagrams



See the Color-Keyed tools, dies and kits catalogue for more tool and die information.

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Color-coded compression connectors

Type ATL – Aluminum lugs, one-hole



Aluminum compression connectors

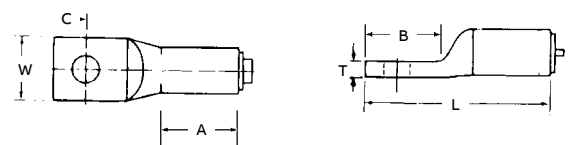
- Specifically designed for use with aluminum conductors (concentric, compressed or compact)
- Also listed for use with copper conductors
- Made of high-conductivity seamless aluminum tubing
- Tin-plated for corrosion resistance
- Chamfered barrels for ease of installation
- Can be used for medium voltage applications up to 35 kV, provided proper insulation techniques are used
- CSA certified and UL listed for AWG conductors when installed with Blackburn, Burndy, ABB or Anderson tools, as specified by CSA
- Color-coded for quick, easy die identification
- Pre-filled with oxide inhibiting compound

Type ATL – Aluminum lugs, one-hole



Cat. no.	Conductor size		Stud size (in.)	Dimensions (in.)						Color code
	(Al)	(Cu)		A	B	C	L	W	T	
ATL8-10	8 str.	6 AWG	10	1/2	19/32	7/32	1 9/32	13/32	3/32	Blue
ATL8-14	8 str.	6 AWG	1/4	1/2	11/16	11/32	1 3/8	7/16	3/32	Blue
ATL6-10	6 str.	4 AWG	10	25/32	9/16	7/32	1 1/2	15/32	1/8	Gray
ATL6-14	6 str.	4 AWG	1/4	25/32	23/32	15/32	1 21/32	15/32	1/8	Gray
ATL6-38	6 str.	4 AWG	3/8	27/32	29/32	7/16	1 27/32	5/8	3/32	Gray
ATL4-14	4 str.	1 AWG	1/4	27/32	13/16	11/32	1 29/32	5/8	3/16	Green
ATL4-516	4 str.	1 AWG	5/16	27/32	1	7/16	2 1/16	5/8	3/16	Green
ATL4-38	4 str.	1 AWG	3/8	27/32	29/32	7/16	2	5/8	3/16	Green
ATL2-14	2 + 3 str.	1/0 AWG	1/4	27/32	25/32	11/32	1 15/16	23/32	3/16	Pink
ATL2-516	2 + 3 str.	1/0 AWG	5/16	27/32	7/8	7/16	2 11/32	3/4	3/16	Pink
ATL2-38	2 + 3 str.	1/0 AWG	3/8	27/32	29/32	7/16	2 1/16	23/32	3/16	Pink
ATL1-516	1 str.	–	5/16	27/32	7/8	7/16	2 1/32	23/32	3/16	Gold
ATL1-38	1 str.	–	3/8	27/32	29/32	7/16	2 3/8	3/4	3/16	Gold
ATL10-516	1/0 str.	–	5/16	1 5/32	1	7/16	2 17/32	7/8	3/16	Tan
ATL10-38	1/0 str.	–	3/8	1 5/32	1 1/16	7/16	2 19/32	7/8	3/16	Tan
ATL10-12	1/0 str.	–	1/2	1 5/32	1 3/8	11/16	2 15/16	15/16	3/16	Tan
ATL20-38	2/0 str.	–	3/8	1 3/16	1	7/16	2 5/8	31/32	7/32	Olive
ATL20-12	2/0 str.	–	1/2	1 3/16	1 3/8	11/16	3	1 1/32	7/32	Olive
ATL30-38	3/0 str.	–	3/8	1 11/32	1 1/16	7/16	2 13/16	1 1/16	7/32	Ruby
ATL30-12	3/0 str.	–	1/2	1 11/32	1 3/8	11/16	3 3/8	1 1/16	7/32	Ruby
ATL40-38	4/0 str.	300 kcmil	3/8	1 7/8	1 3/2	3/8	3 3/4	1 3/16	1/4	White
ATL40-12	4/0 str.	300 kcmil	1/2	1 7/8	1 1/4	1/2	3 7/8	1 3/16	1/4	White
ATL250-12	250 kcmil	350 kcmil	1/2	2 1/32	1 1/4	1/2	4 1/32	1 9/32	1/4	Red
ATL300-38	300 kcmil	400 kcmil	3/8	2	1 5/16	3/8	4 3/16	1 3/8	9/32	Blue
ATL300-12	300 kcmil	400 kcmil	1/2	2	1 5/16	1/2	4 3/16	1 3/8	9/32	Blue
ATL350-12	350 kcmil	500 kcmil	1/2	2 11/16	1 5/16	1/2	4 7/8	1 1/2	5/16	Brown
ATL400-58	400 kcmil	600 kcmil	5/8	2 11/16	1 1/4	1/2	4 15/16	1 5/8	3/8	Green
ATL500-12	500 kcmil	700 kcmil	1/2	2 11/16	1 1/4	1/2	4 15/16	1 25/32	3/8	Pink
ATL500-58	500 kcmil	–	5/8	2 11/16	2	3/4	5 11/16	1 25/32	3/8	Pink
ATL600-12	–	600 kcmil	1/2	2 11/16	2	3/4	5 13/16	1 29/32	11/32	Black
ATL750-12	750 kcmil	900 kcmil	1/2	2 7/8	1 1/4	1/2	5 1/4	2 1/8	3/8	–
ATL750-58	750 kcmil	900 kcmil	5/8	2 7/8	2	3/4	6 1/32	2 1/8	3/8	–

Diagrams



Color-coded compression connectors

Type ATL – Aluminum lugs, two-hole



Aluminum compression connectors

- Specifically designed for use with aluminum conductors (concentric, compressed or compact)
- Also listed for use with copper conductors
- Made of high-conductivity seamless aluminum tubing
- Tin-plated for corrosion resistance
- Chamfered barrels for ease of installation

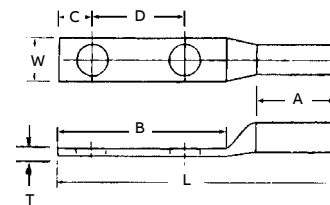
- Can be used for medium voltage applications up to 35 kV, provided proper insulation techniques are used
- Color-coded for quick, easy die identification
- Pre-filled with oxide inhibiting compound
- CSA certified and UL listed for AWG conductors when installed with Blackburn, Burndy, ABB or Anderson tools, as specified by CSA

Type ATL – Aluminum lugs, two-hole



Cat. no.	Conductor size		Stud size (in.)	Dimensions (in.)							Color code
	(Al)	(Cu)		A	B	C	D	L	W	T	
ATL102-38	1/0 str.	–	3/8	1 5/32	2 1/16	3/8	1	3 19/32	7/8	3/16	Tan
ATL102	1/0 str.	–	1/2	1 3/16	3	1/2	1 3/4	4 9/16	1 5/16	3/16	
ATL202	2/0 str.	–	1/2	1 3/16	3 3/8	3/4	1 3/4	5	3 1/32	7/32	Olive
ATL302	3/0 str.	–	1/2	1 11/32	3 3/8	3/4	1 3/4	5 5/32	1 1/16	7/32	Ruby
ATL402	4/0 str.	300 kcmil	1/2	1 7/8	3	1/2	1 3/4	5 5/8	1 3/16	1/4	White
ATL2502	250 kcmil	350 kcmil	1/2	2 1/32	3	1/2	1 3/4	5 25/32	1 9/32	1/4	Red
ATL3002	300 kcmil	400 kcmil	1/2	2	3	1/2	1 3/4	5 7/8	1 3/8	9/32	Blue
ATL3502	350 kcmil	500 kcmil	1/2	2 11/16	3	1/2	1 3/4	6 9/16	1 1/2	5/16	Brown
ATL4002	400 kcmil	600 kcmil	1/2	2 11/16	3	1/2	1 3/4	6 11/16	1 5/8	3/8	Green
ATL5002	500 kcmil	700 kcmil	1/2	2 11/16	3	1/2	1 3/4	6 11/16	1 25/32	3/8	Pink
ATL6002	–	600 kcmil	1/2	2 11/16	3	1/2	1 3/4	6 13/16	1 29/32	11/32	Black
ATL7502	750 kcmil	900 kcmil	1/2	2 7/8	3	1/2	1 3/4	7 1/8	2 1/8	3/8	–

Diagrams



See the Color-Keyed tools, dies and kits catalogue for more tool and die information.

Color-coded compression connectors

Type ASP – Aluminum splices



Aluminum compression connectors

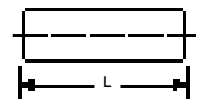
- Specifically designed for use with aluminum conductors (concentric, compressed or compact)
- Also listed for use with copper conductors
- Made of high-conductivity seamless aluminum tubing
- Tin-plated for corrosion resistance
- Chamfered barrels for ease of installation
- Can be used for medium voltage applications up to 35 kV, provided proper insulation techniques are used
- Color-coded for quick, easy die identification
- Pre-filled with oxide inhibiting compound
- CSA certified and UL listed when installed with Blackburn, Burndy, ABB or Anderson tools, as specified by CSA

Type ASP – Aluminum splices



Cat. no.	Conductor size		Length (in.)	Color code
	(Al)	(Cu)		
ASP8	8 str.	6 AWG	1¼	Blue
ASP6	6 str.	4 AWG	1⅝	Gray
ASP4	4 str.	1 AWG	1⅞	Green
ASP2	2 + 3 str.	1/0 AWG	1⅞	Pink
ASP1	1 str.	–	2⅞	Gold
ASP10	1/0 str.	–	2⅞	Tan
ASP20	2/0 str.	–	2½	Olive
ASP30	3/0 str.	–	2⅞	Ruby
ASP40	4/0 str.	300 kcmil	3¾	White
ASP250	250 kcmil	350 kcmil	4	Red
ASP300	300 kcmil	400 kcmil	4	Blue
ASP350	350 kcmil	500 kcmil	3⅞	Brown
ASP400	400 kcmil	600 kcmil	4⅞	Green
ASP500	500 kcmil	700 kcmil	5	Pink
ASP600	–	600 kcmil	5⅞	Black
ASP750	750 kcmil	900 kcmil	5⅞	
ASP1000	1,000 kcmil	–	6	

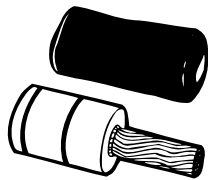
Diagram



See the Color-Keyed tools, dies and kits catalogue for more tool and die information.

Color-coded compression connectors

Type PA – Pin adapter terminals



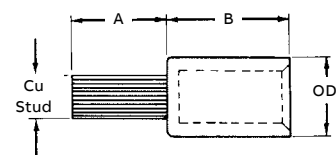
- Connector for aluminum conductors only; pigtail may be inserted into either aluminum or copper connectors
- Insulating cover included
- 90°C rating per UL standard
- Tin-plated stranded copper wire pigtail
- Tin-plated aluminum barrel pre-filled with oxide inhibitor and capped

Type PA – Pin adapter terminals



Cat. no.	Conductor size (Al)	Copper stud size	Dimensions (in.)			Color code	Die #
			A	B	O.D.		
PA06	6 str.	8	$\frac{7}{8}$	$1\frac{11}{32}$	0.640	Orange	50
PA04	4 str.	6	$\frac{7}{8}$	$1\frac{11}{32}$	0.640		50
PA02	2 str.	4	$\frac{7}{8}$	$1\frac{11}{32}$	0.640		50
PA01	1 str.	3	1	$1\frac{11}{32}$	0.640		50
PA11	1/0 str.	2	$1\frac{1}{4}$	$1\frac{19}{32}$	0.906	Red	76
PA21	2/0 str.	1	$1\frac{1}{4}$	$1\frac{19}{32}$	0.906		76
PA31	3/0 str.	1/0	$1\frac{3}{8}$	$1\frac{7}{8}$	0.906		76
PA41	4/0 str.	2/0	$1\frac{3}{8}$	$1\frac{7}{8}$	0.906		76
PA25	250 kcmil	3/0	$1\frac{1}{2}$	$2\frac{1}{16}$	1.155	Brown	87H
PA30	300 kcmil	4/0	$1\frac{5}{8}$	$2\frac{1}{16}$	1.155		87H
PA35	350 kcmil	4/0	$1\frac{5}{8}$	$2\frac{1}{16}$	1.155		87H
PA40	400 kcmil	250 kcmil	$1\frac{7}{8}$	$2\frac{3}{32}$	1.375	Black	106H
PA50	500 kcmil	350 kcmil	$1\frac{7}{8}$	$2\frac{3}{32}$	1.375		106H
PA60	600 kcmil	350 kcmil	$1\frac{7}{8}$	$2\frac{3}{4}$	1.500	Yellow	115H
PA75	750 kcmil	500 kcmil	2	$2\frac{3}{4}$	1.500		115H

Diagram



UL listed.
CSA not applicable.

ABB dies								
Alum. wire size	Die code	UT3	UT5	TBM5	TBM6	TBM8	13642 12-ton	21920 20-ton
#6 – #1	50	5/8	TU	Orange	–	–	–	15529
1/0 – 4/0	76 or 76H	–	TX	–	13472 Red 13476 Red	13467	11744	15512
250 kcmil – 350 kcmil	87H	–	TH	–	–	13468	11746	15506
400 kcmil – 500 kcmil	106H	–	–	–	–	–	11749	15515
600 kcmil – 750 kcmil	115H	–	–	–	–	–	11753	15504

Color-coded compression connectors

Type OAPA – Offset pin style and type APA center pin style



Optimum design to allow a reliable termination of aluminum or copper

- Easily transition large aluminum cables into mechanical lugs
- Simplify installations in tight working spaces
- Knurled pins provide a solid contact area to ensure low-resistance connection
- Manufactured from high-conductivity aluminum alloy
- Tin plated to eliminate the possibility of galvanic corrosion
- Pre-filled with oxide inhibitor to ensure airtight termination
- Kitted with an insulating boot to eliminate taping

Material: High-conductivity aluminum alloy

Plating: Electro-tin plated

Insulating boot: EPDM rubber except APA-1000 and OAPA-1000 boot are PVC

Type OAPA – Offset pin style and type APA center pin style



Cat. no. Center pin style	Cat. no. Offset pin style	Wire size	A Overall length (in.)	B Pin length (in.)	C Pin dia. (in.)	D Barrell dia. (in.)	E Boot length (in.)	F Boot dia. (in.)	Die/Color code
APA-6	–	#6 AWG	1.85	0.68	0.24	0.60	3.06	0.81	50/Tan
APA-4	–	#4 AWG	1.85	0.68	0.24	0.60	3.06	0.81	
APA-2	–	#2 AWG	1.85	0.68	0.24	0.60	3.06	0.81	
APA-1	–	#1 AWG	2.01	0.84	0.26	0.60	3.06	0.81	
APA-1/0	–	1/0 AWG	2.21	0.84	0.29	0.85	3.22	1.08	66/White
APA-2/0	OAPA-2/0	2/0 AWG	2.21	0.84	0.33	0.85	3.22	1.08	
APA-3/0	OAPA-3/0	3/0 AWG	2.59	1.22	0.37	0.85	3.22	1.08	
APA-4/0	OAPA-4/0	4/0 AWG	2.59	1.22	0.42	0.85	3.22	1.08	
APA-250	OAPA-250	250 kcmil	2.63	1.22	0.47	1.10	3.50	1.30	87/Brown
APA-300	OAPA-300	300 kcmil	2.75	1.34	0.53	1.10	3.50	1.30	
APA-350	OAPA-350	350 kcmil	2.75	1.34	0.57	1.10	3.50	1.30	
APA-400	OAPA-400	400 kcmil	3.63	1.60	0.68	1.32	3.75	1.47	99/Pink
APA-500	OAPA-500	500 kcmil	3.63	1.60	0.68	1.32	3.75	1.47	
APA-600	OAPA-600	600 kcmil	3.67	1.64	0.73	1.46	4.06	1.72	115/Yellow
APA-750	OAPA-750	750 kcmil	3.79	1.76	0.81	1.46	4.06	1.72	
APA-1000	OAPA-1000	1,000 kcmil	4.03	2.00	0.90	1.70	3.33	2.04	140/–

Diagrams

