PANDUIT® Copper Standard Barrel Two-Hole Lugs *(Type LCD)*

Copper Lugs

For Use With Copper Cables Only

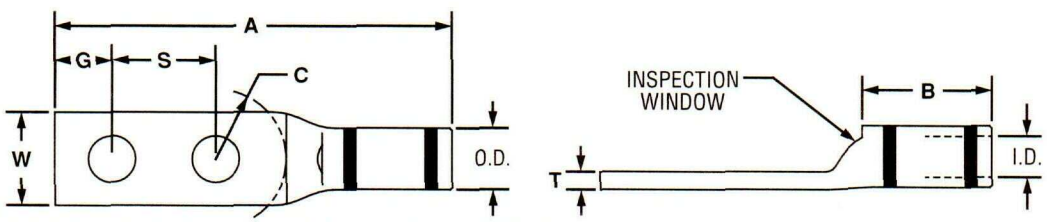
Two Hole Lug Standard Barrel Type LCD

- Color coded to show proper die number and color
- U.L. listed per 486A up to 35KV**
- Inspection window to visually assure full cable insertion
- ▲ NEMA hole sizes and spacing

UL LISTED CSA CERTIFIED

	Part Number	* Copper Conductor Size	* Locomotive Conductor Size	Code Cable Die Color & No.	Bolt Hole Size	Dimensions in Inches								Std. Pkg. Qty.
						Barrel								
						I.D.	O.D.	A	W	G	S	C	T	B	
▲	LCD8-10A-L	#8 AWG or 23 Navy	37/24	Red 21	#10	.18	.27	1.88	.41	.23	.63	.31	.08	.56	50
	LCD8-14A-L				1/4"	.18	.27	1.97	.48	.25	.63	.37	.07	.56	50
	LCD8-14B-L				1/4"	.18	.27	2.09	.48	.25	.75	.37	.07	.56	50
	LCD8-14D-L				1/4"	.18	.27	2.34	.48	.25	1.00	.37	.07	.56	50
	LCD8-38D-L				3/8"	.18	.27	2.56	.62	.36	1.00	.48	.05	.56	50
▲	LCD6-10A-L	#6 AWG or #6 Weld 30 Navy	61/24	Blue 24	#10	.22	.31	2.15	.46	.23	.63	.31	.08	.81	50
	LCD6-14A-L				1/4"	.22	.31	2.24	.48	.25	.63	.37	.08	.81	50
	LCD6-14B-L				1/4"	.22	.31	2.36	.48	.25	.75	.37	.08	.81	50
	LCD6-14D-L				1/4"	.22	.31	2.61	.48	.25	1.00	.37	.08	.81	50
	LCD6-56D-L				5/16"	.22	.31	2.73	.56	.32	1.00	.42	.07	.81	50
	LCD6-38D-L				3/8"	.22	.31	2.83	.62	.36	1.00	.48	.06	.81	50
▲	LCD4-14A-L	#4 AWG or #4 Weld 40-50 Navy	105/24	Gray 29	1/4"	.28	.38	2.26	.55	.25	.63	.37	.09	.81	50
	LCD4-14B-L				1/4"	.28	.38	2.38	.55	.25	.75	.37	.09	.81	50
	LCD4-14D-L				1/4"	.28	.38	2.63	.55	.25	1.00	.37	.09	.81	50
	LCD4-38D-L				3/8"	.28	.38	2.85	.62	.36	1.00	.48	.08	.81	50
	LCD2-14A-Q	#2 AWG or 60 Navy	—	Brown 33	1/4"	.31	.42	2.40	.60	.25	.63	.38	.10	.88	25
	LCD2-14B-Q				1/4"	.31	.42	2.52	.60	.25	.75	.38	.10	.88	25
▲	LCD2-14D-Q				1/4"	.31	.42	2.77	.60	.25	1.00	.38	.10	.88	25
	LCD2-56B-Q				5/16"	.31	.42	2.65	.66	.32	.75	.44	.10	.88	25
	LCD2-38D-Q				3/8"	.31	.42	3.00	.66	.39	1.00	.47	.10	.88	25
	LCD2-12-Q				1/2"	.31	.42	4.14	.75	.63	1.75	.63	.08	.88	25
	LCD1-14A-E	#1 AWG or #2 Weld 75 Navy	150/24	Green 37	1/4"	.36	.47	2.42	.70	.25	.63	.38	.11	.88	20
▲	LCD1-14B-E				1/4"	.36	.47	2.54	.70	.25	.75	.38	.11	.88	20
	LCD1-56C-E				5/16"	.36	.47	2.79	.70	.32	.88	.44	.11	.88	20
	LCD1-38D-E				3/8"	.36	.47	2.99	.70	.36	1.00	.47	.11	.88	20
	LCD1-12-E				1/2"	.36	.47	4.16	.75	.63	1.75	.63	.09	.88	20
	LCD1/0-14A-X	#1/0 AWG or #1 Weld 100 Navy	225/24	Pink 42	1/4"	.39	.52	2.57	.76	.32	.63	.38	.12	.94	10
	LCD1/0-14B-X				1/4"	.39	.52	2.70	.76	.32	.75	.38	.12	.94	10
	LCD1/0-56C-X				5/16"	.39	.52	2.88	.76	.32	.88	.44	.12	.94	10
▲	LCD1/0-38D-X				3/8"	.39	.52	3.08	.76	.36	1.00	.47	.12	.94	10
	LCD1/0-12-X				1/2"	.39	.52	4.25	.80	.63	1.75	.63	.12	.94	10
	LCD2/0-14A-X	#2/0 AWG or #1/0 Weld 125 Navy	275/24	Black 45	1/4"	.45	.58	2.71	.85	.35	.63	.43	.13	.98	10
	LCD2/0-14B-X				1/4"	.45	.58	2.84	.85	.35	.75	.43	.13	.98	10
	LCD2/0-56C-X				5/16"	.45	.58	2.96	.85	.35	.88	.43	.13	.98	10
▲	LCD2/0-38D-X				3/8"	.45	.58	3.15	.85	.39	1.00	.45	.13	.98	10
	LCD2/0-12-X				1/2"	.45	.58	4.31	.85	.63	1.75	.63	.13	.98	10
	LCD3/0-14B-X	#3/0 AWG or #2/0 Weld 150 Navy	325/24	Orange 50	1/4"	.51	.64	3.03	.96	.35	.75	.43	.13	1.14	10
	LCD3/0-56C-X				5/16"	.51	.64	3.28	.96	.35	1.00	.43	.13	1.14	10
▲	LCD3/0-38D-X				3/8"	.51	.64	3.34	.96	.39	1.00	.45	.13	1.14	10
	LCD3/0-12-X				1/2"	.51	.64	4.50	.96	.63	1.75	.63	.13	1.14	10
	LCD4/0-14B-X	#4/0 AWG or #3/0 Weld 200 Navy	450/24	Purple 54	1/4"	.57	.71	3.11	1.06	.35	.75	.43	.14	1.19	10
▲	LCD4/0-38D-X				3/8"	.57	.71	3.45	1.06	.39	1.00	.47	.14	1.19	10
	LCD4/0-12-X				1/2"	.57	.71	4.58	1.06	.63	1.75	.63	.14	1.19	10
	LCD250-38D-X	250 MCM or #4/0 Weld 250 Navy	550/24	Yellow 62	3/8"	.63	.77	3.55	1.17	.39	1.00	.47	.14	1.25	10
▲	LCD250-12-X				1/2"	.63	.77	4.69	1.17	.63	1.75	.63	.14	1.25	10
▲	LCD300-38D-X	300 MCM	—	White 66	3/8"	.65	.81	3.75	1.19	.38	1.00	.44	.16	1.44	10
	LCD300-12-X				1/2"	.65	.81	4.93	1.19	.63	1.75	.63	.16	1.44	10
	LCD350-14B-X	350 MCM	650/24	Red 71	1/4"	.70	.88	3.31	1.28	.25	.75	.34	.17	1.44	10
	LCD350-38D-X				3/8"	.70	.88	3.79	1.28	.38	1.00	.44	.17	1.44	10
▲	LCD350-12E-X				1/2"	.70	.88	4.34	1.28	.50	1.25	.62	.17	1.44	10
	LCD350-12-X				1/2"	.70	.88	4.97	1.28	.63	1.75	.63	.17	1.44	10
▲	LCD400-38D-6	400 MCM	775/24	Blue 76	3/8"	.76	.95	3.87	1.39	.38	1.00	.44	.18	1.50	6
	LCD400-12-6				1/2"	.76	.95	5.05	1.39	.63	1.75	.63	.18	1.50	6
	LCD500-14B-6	500 MCM	925/24	Brown 87	1/4"	.84	1.06	3.72	1.54	.25	.75	.34	.22	1.75	6
	LCD500-38D-6				3/8"	.84	1.06	4.20	1.54	.38	1.00	.44	.22	1.75	6
	LCD500-12E-6				1.2"	.84	1.06	4.75	1.54	.50	1.25	.62	.22	1.75	6
▲	LCD500-12-6				1/2"	.84	1.06	5.38	1.54	.63	1.75	.63	.22	1.75	6
▲	LCD600-38D-6	600 MCM	1100/24	Green 94	3/8"	.92	1.19	4.25	1.70	.38	1.00	.44	.26	1.75	6
▲	LCD600-12-6				1/2"	.92	1.19	5.43	1.70	.63	1.75	.63	.26	1.75	6
▲	LCD750-12-6	750 MCM	1325/24	Black 106	1/2"	1.03	1.30	6.00	1.90	.63	1.75	.63	.26	1.88	6
▲	LCD1000-12-3	1000 MCM	1925/24	White 125	1/2"	1.17	1.50	6.16	2.16	.63	1.75	.63	.32	1.88	3

*U.L. listed and CSA certified with code, locomotive and class K & M weld cables.



**Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 volts.
See tool chart on page 74-75 for additional information.
Order the number of pieces required in multiples of standard package quantity.
3 = 3 pcs., 6 = 6 pcs., X = 10 pcs., E = 20 pcs., Q = 25 pcs., and L = 50 pcs.

Features and Benefits of PANDUIT Compression Connectors and Tooling

PANDUIT compression connectors and tooling system provide consistent quality and reliable, permanent electrical connections, along with a way of making fast and easy installations. These features save time and provide consistent quality connections at the lowest installed cost.

Industry Standards & Approvals

PANDUIT compression connectors are U.L. Listed and CSA Certified with more crimping tools than any other manufacturer's connectors. In addition to PANDUIT's tools, many other manufacturers' tools are approved with PANDUIT compression connectors. See pages 72 to 89 for a complete listing.

Panduit connectors meet U.L., CSA, and NEMA standards. Refer to the catalog listing to obtain the appropriate standards for each connector.

Color Coding

Panduit color coded connectors are designed to lower your installed cost by reducing the total installation time. Color coding helps to quickly identify the correct connector with the proper die set. Plus, color coding eliminates rework time by providing the location of crimps.

Materials

PANDUIT quality is evident in the selection of high grade materials in the manufacture of dependable compression connectors. Copper compression connectors are manufactured from seamless copper tubing for high conductivity and are electro-tin plated for corrosion resistance. Aluminum compression connectors are manufactured from high conductivity wrought aluminum and are also electro-tin plated. These dual rated aluminum connectors can be used on copper or aluminum conductors. The tin plating prevents corrosion when the connector is in contact with the conductor. Aluminum connector barrels are pre-filled with joint compound to inhibit corrosion and improve conductivity

Crimping

Crimping PANDUIT compression connectors is a quick and convenient process. Only three steps are needed.

1) Match the connector size to the conductor size

2) Select the proper crimping die by matching the die color and number to the color and die number on the connector.

3) Place the die in the tool and crimp the connector.

This crimping process compresses the connector and conductor into a solid homogenous mass for an excellent electrical connection with high pull-out values

Cross-Sections

Before Crimping

After Crimping

Polygon Die

Circumferential Die

Tooling

PANDUIT's broad line of tools includes: hand or battery operated controlled-cycle crimping tools, mechanical crimping tools and hydraulic crimping tools. Crimping dies are of two designs: circumferential and five-sided polygons. Both types have die index numbers engraved in the die pockets. During compression this number is embossed on the connector barrel to provide an easy inspection of the proper connector/die combination.

Part Number System (Example) For Compression Connectors

LCD	2/0	-	38	D	F	-	X
Part Designation	Conductor Size		Bolt Hole Size Designation	2 Bolt Hole Spacing*	Tongue Angle		Std. Pkg. Size Designation
			10 = #10 14 = 1/4" 56 = 5/16" 38 = 3/8" 12 = 1/2" 58 = 5/8" 34 = 3/4" 00 = Blank Tongue	A = .625" B = .750" C = .875" D = 1.00" E = 1.25" No Letter = 1.75"	H = 45° Angle F = 90° Angle No Letter = Straight		1 = 1 2 = 2 3 = 3 5 = 5 6 = 6 X = 10 E = 20 Q = 25 L = 50

Ex: LCD Lug, Copper Two Hole Standard Barrel

* LCA, LCC and LCD Styles only

Order the number of pieces required in multiples of standard package quantity.
1 = 1 pc., 2 = 2 pcs., 3 = 3 pcs., 5 = 5 pcs., 6 = 6 pcs., X = 10 pcs., E = 20 pcs., Q = 25 pcs., and L = 50 pcs.