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PANDUIT®

Compression Connectors

Panduit® Pan-Lug™ Compression Connectors provide permanent terminations for a variety of power and grounding applications, with innovation, highest reliability, and lowest installed cost. Panduit offers the first and only copper compression lugs and splices that meet Network Equipment-Building Systems (NEBS) Level 3 requirements as tested by Telcordia Technologies. NEBS Level 3 assures that product performance is suitable for equipment applications that demand minimal service interruptions over the life span of the equipment.

- **Functional product information is marked directly on the connector, facilitating the identification, ordering, and usage of the compression connector**
- **Color-coded to facilitate quick identification of the proper crimping die**
- **Made from high strength, high conductivity electrolytic copper and aluminum alloy materials to provide optimum connectivity for power and grounding applications**
- **UL Listed or Recognized, CSA Certified, ABS Type Approved and tested by Telcordia – meets NEBS Level 3, as noted**
- **Terminations using Panduit® Pan-Lug™ Compression Connectors are also UL Listed and CSA Certified with specified competitor tools**
- **Wide assortment of manual, controlled cycle, battery operated hydraulic and pneumatic crimping tools for reliable connections at the lowest installed cost**

Panduit® Pan-Lug™ Compression Connectors are designed for use with many different code and flex conductor types and are available in a broad range of styles and sizes including copper one-hole, two-hole, and blank tongue lugs and splices; aluminum one-hole and two-hole lugs and splices; and copper in-line reducing splices. Panduit offers a wide assortment of Pan-Lug™ Power Connectors to meet customer needs and today's application requirements.

Order number of pieces required, in multiples of Standard Package Quantity.

Features and Benefits – Pan-Lug™ Compression Connectors

Bolded features are unique to Panduit.

Copper Lugs

Color-coded bands for proper die selection and crimp placement

Easy-to-read, color-coded die index numbers for Panduit and specified competitor crimping dies for selection

Made from seamless, high conductivity copper tubing and electro tin-plated and burnished to inhibit corrosion

Internally beveled barrel end for easy conductor insertion (types LCCF and LCAF available with flared entry for flex conductor)

Inspection windows available to assure complete conductor insertion

Part number, stud size, and conductor size marked on part for easy identification

UL LISTED   CSA CERTIFIED

Flex Lugs

Color-coded bands for proper die selection and crimp placement

Inspection window to assure complete conductor insertion

Made from seamless, high conductivity copper tubing and electro tin-plated and burnished to inhibit corrosion

Easy-to-read, color-coded die index numbers for Panduit and specified competitor crimping dies for selection

Product information marked on part for easy identification

Can be used with code conductor and flex conductor class: G, H, I, K, M and Diesel Locomotive

UL LISTED   CSA CERTIFIED

Narrow Tongue Lugs

Color-coded bands for proper die selection and crimp placement

Inspection window to assure complete conductor insertion

Narrow tongue width for limited space applications

Easy-to-read, color-coded die index numbers for Panduit and specified competitor crimping dies for selection

Made from seamless, high conductivity copper tubing and electro tin-plated and burnished to inhibit corrosion

Product information marked on part for easy identification

UL LISTED   CSA CERTIFIED

Copper Metric Lugs

Internally beveled barrel ends for easy conductor insertion

Product information marked on part for easy identification

Inspection window to assure complete conductor insertion

Made from 99.9% pure copper for high quality connection and tin-plated to inhibit corrosion

UL LISTED   CSA CERTIFIED

Copper Parallel Splice

Chamfered on both ends for fast and easy conductor insertion

Made from seamless, high conductivity copper tubing and electro tin-plated and burnished to inhibit corrosion

Intuitive part numbering for fast and accurate part selection in the field

Industry recognized color-coding for selection

Largest part marking in the industry – easier to read in low light conditions

UL LISTED   CSA CERTIFIED

Aluminum Lugs

Easy-to-read die index numbers for Panduit and specified competitor crimping dies for selection

Crimping areas marked on part for proper crimp placement

Part number and conductor size marked on part for easy identification

Made from seamless wrought aluminum and electro tin-plated to inhibit corrosion

Factory pre-filled with oxide inhibitor to prevent oxidation

c UL us LISTED

Compression connector crimping tools speed installation and reduce total installed cost. Visit www.panduit.com/tools.

Panduit designs and manufactures a full line of labeling products, software and printers to assist you with your labeling requirements. See pages E1.1 – E2.27.

Heat shrink tubing provides an economical and easy way to insulate, protect, harness and color code electrical and electronic components. See pages C2.23 – C2.42.

Selection Guide – Pan-Lug™ Copper Compression Connectors for Copper Code Conductor

Code

Connector	Barrel Style	Type	Page Number
One-Hole Lugs	Standard Barrel with Inspection Window	LCA	D2.9, D2.10
		LCAN narrow tongue	D2.11, D2.12
	Long Barrel no Inspection Window	LCB	D2.13, D2.14
Two-Hole Lugs	Standard Barrel with Inspection Window	LCD	D2.15, D2.16, D2.17
		LCDN narrow tongue	D2.18
	Long Barrel no Inspection Window	LCC	D2.19, D2.20
	Long Barrel with Inspection Window	LCC-W	D2.21, D2.22, D2.23, D2.24
		LCCN-W narrow tongue	D2.25
Butt Splices	Standard Barrel	SCS	D2.26
	Long Barrel	SCL	D2.27
Parallel Splices		PSC	D2.28

Order number of pieces required, in multiples of Standard Package Quantity.

Part Number System for Pan-Lug™ Compression Lugs

LCD	2/0	–	38	D	F	–	X
Type	**Conductor Size**		**Stud Hole Size**	**Two Stud Hole Spacing**	**Tongue Angle**		**Standard Package Size**

example:
LCD = Lug, Copper
Two-Hole
Standard Barrel

2/0 = 2/0 AWG

Stud Hole Size
10 = #10
14 = 1/4"
56 = 5/16"
38 = 3/8"
12 = 1/2"
58 = 5/8"
34 = 3/4"
78 = 7/8"
00 = Blank Tongue
5 = M5
6 = M6
8 = M8
10 = M10
12 = M12
14 = M14
16 = M16
20 = M20

Two Stud Hole Spacing
A = 0.625"
B = 0.750"
C = 0.875"
D = 1.0"
E = 1.25"
G = 1.5"
J = 0.5"
K = 2"
M = 1.375"
P = 0.688"
Q = 1.125"
No Letter = 1.75" or 44.5mm
CD = 22.0-25.0mm

Tongue Angle
H = 45°
F = 90°
No Letter = Straight

Standard Package Size
1 = 1
3 = 3
5 = 5
6 = 6
X = 10
E = 20
Q = 25
L = 50
C = 100

PANDUIT®

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B3. Stainless Steel Cable Ties & Accessories

C1. Wiring Duct

C2. Abrasion Protection

C3. Cable Management

D1. Terminals

D2. Power Connectors

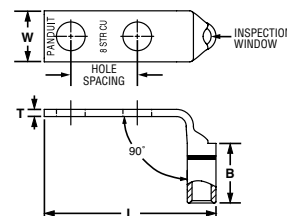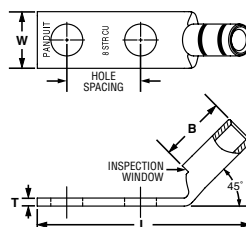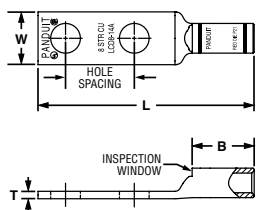D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

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F. Keystone Cabling Systems

G. Part Number Index

Code Conductor, Two-Hole, Standard Barrel with Window Lug

UL LISTED   CSA CERTIFIED

For Use with Stranded Copper Conductors

Type LCD

- Color-coded barrels marked with Panduit and specified competitor die index numbers for proper crimp die selection
- Inspection window to visually assure full conductor insertion
- Tin-plated to inhibit corrosion
- UL Listed and CSA Certified to 35 kV** and temperature rated to 90°C when crimped with Panduit and specified competitor crimping tools and dies

- UL Listed and CSA Certified for wide wire range-taking capability when crimped with Panduit® Uni-Die™ Dieless Crimping Tools‡
- Tested by Telcordia – meets NEBS Level 3
- American Bureau of Shipping approved
- Available with NEMA hole sizes and spacing
- Lugs available in 90 and 45 degree bent tongue. Please refer to www.panduit.com

Part Number	Copper Conductor Size	Stud Hole Size (In.)	Stud Hole Spacing (In.)	Figure Dimensions (In.)				Panduit Color Code	Panduit Die Index No.‡	Burndy Die Index No.‡	T&B Die Index No.‡	Wire Strip Length (In.)	Std. Pkg. Qty.
				W	B	T	L						
LCD10-10A-L*	#14 – #10 AWG STR, #12 – #10 AWG SOL	#10	0.63	0.38	0.38	0.06	1.69	—	—	—	—	7/16	50
LCD10-14A-L*		1/4	0.63	0.42	0.38	0.05	1.78	—	—	—	—	7/16	50
LCD10-14B-L*		1/4	0.75	0.42	0.38	0.05	1.91	—	—	—	—	7/16	50
LCD10-14D-L*		1/4	1.00	0.42	0.38	0.05	2.16	—	—	—	—	7/16	50
LCD10-38D-L*		3/8	1.00	0.56	0.38	0.04	2.38	—	—	—	—	7/16	50
LCD8-10A-L	#8 AWG	#10	0.63	0.41	0.56	0.08	1.88	Red	P21	49	21	5/8	50
LCD8-14A-L		1/4	0.63	0.48	0.56	0.07	1.97	Red	P21	49	21	5/8	50
LCD8-14B-L		1/4	0.75	0.48	0.56	0.07	2.09	Red	P21	49	21	5/8	50
LCD8-14D-L		1/4	1.00	0.48	0.56	0.07	2.34	Red	P21	49	21	5/8	50
LCD8-38D-L		3/8	1.00	0.60	0.56	0.05	2.56	Red	P21	49	21	5/8	50
LCD6-10A-L	#6 AWG	#10	0.63	0.46	0.81	0.08	2.15	Blue	P24	7	24	7/8	50
LCD6-10B-L		#10	0.75	0.46	0.81	0.08	2.27	Blue	P24	7	24	7/8	50
LCD6-10D-L		#10	1.00	0.46	0.81	0.08	2.52	Blue	P24	7	24	7/8	50
LCD6-14A-L		1/4	0.63	0.48	0.81	0.08	2.24	Blue	P24	7	24	7/8	50
LCD6-14B-L		1/4	0.75	0.48	0.81	0.08	2.36	Blue	P24	7	24	7/8	50
LCD6-14D-L		1/4	1.00	0.48	0.81	0.08	2.61	Blue	P24	7	24	7/8	50
LCD6-56D-L		5/16	1.00	0.56	0.81	0.07	2.73	Blue	P24	7	24	7/8	50
LCD6-38D-L		3/8	1.00	0.62	0.81	0.06	2.83	Blue	P24	7	24	7/8	50
LCD4-10A-L	#4 – #3 AWG STR, #2 AWG SOL	#10	0.63	0.55	0.81	0.09	2.17	Gray	P29	8	29	7/8	50
LCD4-10B-L		#10	0.75	0.55	0.81	0.09	2.29	Gray	P29	8	29	7/8	50
LCD4-14A-L		1/4	0.63	0.55	0.81	0.09	2.26	Gray	P29	8	29	7/8	50
LCD4-14B-L		1/4	0.75	0.55	0.81	0.09	2.38	Gray	P29	8	29	7/8	50
LCD4-14D-L		1/4	1.00	0.55	0.81	0.09	2.63	Gray	P29	8	29	7/8	50
LCD4-38D-L		3/8	1.00	0.62	0.81	0.08	2.85	Gray	P29	8	29	7/8	50

‡Visit www.panduit.com/tools for tool and die information.
*Not tested to NEBS Level 3 requirements.
**Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.

Continues on next page