

A. System Overview



Code Conductor, One-Hole, Long Barrel with Window Lug

B1. Cable Ties

For Use with Stranded Copper Conductors

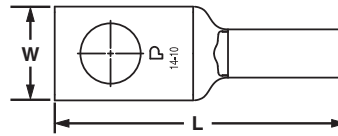
Type LCB-W

B2. Cable Accessories

- Long barrel maximizes number of crimps and provides premium wire pull-out strength and electrical performance
- Inspection window to visually assure full conductor insertion
- Color-coded barrels marked with Panduit and specified competitor die index numbers for proper crimp die selection
- 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

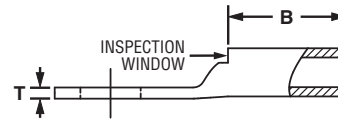
- UL Listed and CSA Certified for wide wire range-taking capability when crimped with Panduit® Uni-Die™ Dieless Crimping Tools‡
- **Tested by Telcordia – meets NEBS Level 3**
- Meets J-STD-607-A and TIA-942 requirements for network systems grounding applications

C1. Wiring Duct



C2. Surface Raceway

C3. Abrasion Protection



C4. Cable Management

Part Number	Copper Conductor Size	Stud Hole Size (In.)	Figure Dimensions (In.)				Panduit Color Code	Panduit Die Index No.‡	Burdny Die Index No.‡	T&B Die Index No.‡	Wire Strip Length (In.)	Std. Pkg. Qty.
			W	B	T	L						
LCB10-14W-L*	#14 – #10 AWG STR, #12 – #10 AWG SOL	1/4	0.42	0.53	0.05	1.31	—	—	—	—	9/16	50
LCB750-38W-6	750 kcmil	3/8	1.89	2.88	0.26	4.83	Black	P106	24	106	2 15/16	6
LCB750-12W-6		1/2	1.89	2.88	0.26	5.03	Black	P106	24	106	2 15/16	6
LCB750-58W-6		5/8	1.89	2.88	0.26	5.58	Black	P106	24	106	2 15/16	6
LCB750-78W-6		7/8	1.89	2.88	0.26	5.68	Black	P106	24	106	2 15/16	6
LCB800-12W-6	800 kcmil	1/2	1.95	2.94	0.30	5.11	Orange	P107	25	107	3	6
LCB800-58W-6		5/8	1.95	2.94	0.30	5.68	Orange	P107	25	107	3	6
LCB1000-38W-3	1000 kcmil	3/8	2.17	3.00	0.32	5.08	White	P125	27	125	3 1/16	3
LCB1000-12W-3		1/2	2.17	3.00	0.32	5.27	White	P125	27	125	3 1/16	3
LCB1000-58W-3		5/8	2.17	3.00	0.32	5.92	White	P125	27	125	3 1/16	3

‡See pages D3.62 – D3.65 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.

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

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E1. Labeling Systems

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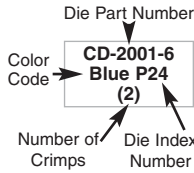
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For use with Copper Conductors

Installation Tooling and Die Selections for: Types LCB, LCBN, LCC, LCCN and SCL

How to read this chart

For LCB6 lug and CT-2001 crimping tool:



Panduit (See Compression Connector Tools Selection Guide, Pages D3.34 – D3.36)

Thomas & Betts

Panduit Part Number	Std. Wire Size	Wire Strip Length (In.)	Panduit (See Compression Connector Tools Selection Guide, Pages D3.34 – D3.36)							Thomas & Betts							
			CT-1570	CT-1701 ^①	CT-1700 ^①	CT-720	CT-920, CT-920CH, CT-930, CT-930CH, CT-2920, CT-2930, CT-2930/L, CT-2930/LE, CT-2931, CT-930LPCH ^② , CT-940CH ^② , CT-2940 ^② , CT-2940/L ^② , CT-2940/LE ^②	Uni-Die™ CT-980, CT-980CH, CT-2950 ^② , CT-2980, CT-2980/L, CT-2980/LE, CT-2981, CT-980LPCH ^② , Extended Wire Range	CT-2001, CT-2001/L, CT-2001/LE, CT-2002, CT-2002/L, CT-3001, CT-3001/E	TBM20S, TBM25S	TBM5	TBM6, TBM6S, 25000, TBM8	TBM12, 13642M				
L = Lug S = Splice			Die Part Number/Color Code and Die Index Number/(Number Of Crimps)														
LCB10 LCC10	#14 – #10 AWG STR, #12 – #10 AWG SOL	9/16	12-10 (2)	P10 (2)	—	—	—	—	—	—	—	—	—	—	—	—	—
LCB8 LCBN8 LCC8 LCCN8 SCL8	#8 AWG	3/4 1-1/16	—	—	Red P21 (3)	CD-720-1 Red P21 (2)	CD-920-8 Red P21 (1)	—	CD-2001-8 Red P21 (2)	Red 21 (3)	Red 21 (1)	Red 21 (1)	Red 21 (1)	—	—	—	—
LCB6 LCBN6 LCC6 LCCN6 SCL6	#6 AWG	1-1/8	—	—	Blue P24 (3)	CD-720-1 Blue P24 (2)	CD-920-6 Blue P24 (1)	—	CD-2001-6 Blue P24 (2)	Blue 24 (3)	Blue 24 (1)	Blue 24 (1)	Blue 24 (1)	—	—	—	—
LCB4 LCBN4 LCC4 LCCN4 SCL4	#4 – #3 AWG STR, #2 AWG SOL	1-1/8	—	—	Gray P29 (3)	CD-720-1 Gray P29 (2)	CD-920-4 Gray P29 (1)	#4 – #2 AWG #2 AWG SOL Only (1)	CD-2001-4 Gray P29 (2)	Gray 29 (3)	Gray 29 (1)	Gray 29 (1)	Gray 29 (1)	—	—	—	—
LCB2 LCBN2 LCC2 LCCN2 SCL2	#2 AWG	1-1/4	—	—	Brown P33 (3)	CD-720-1 Brown P33 (2)	CD-920-2 Brown P33 (1)	#6 – #2 AWG (1)	CD-2001-2 Brown P33 (2)	Brown 33 (3)	Brown 33 (1)	Brown 33 (1)	Brown 33 (1)	—	—	—	—
LCB1 LCBN1 LCC1 LCCN1 SCL1	#1 AWG	1-7/16 1-3/8	—	—	Green P37 (4)	CD-720-2 Green P37 (2)	CD-920-1 Green P37 (1)	#6 – #1 AWG (1)	CD-2001-1 Green P37 (2)	—	Green 37 (1)	Green 37 (1)	Green 37 (1)	—	—	—	—
LCB1/0 LCBN1/0 LCC1/0 LCCN1/0 SCL1/0	1/0 AWG	1-1/2 1-3/8	—	—	—	CD-720-2 Pink P42 (2)	CD-920-1/0 Pink P42 (2)	#6 – 1/0 AWG (2)	CD-2001-1/0 Pink P42 (2)	—	Pink 42 (2)	Pink 42 (2)	Pink 42 (2)	—	—	—	—
LCB2/0 LCBN2/0 LCC2/0 LCCN2/0 SCL2/0	2/0 AWG	1-9/16 1-1/2	—	—	—	CD-720-2 Black P45 (3)	CD-920-2/0 Black P45 (3)	#4 – 2/0 AWG (2)	CD-2001-2/0 Black P45 (3)	—	Black 45 (3)	Black 45 (3)	Black 45 (2)	—	—	—	—
LCB3/0 LCBN3/0 LCC3/0 LCCN3/0 SCL3/0	3/0 AWG	1-9/16 1-1/2	—	—	—	CD-720-2 Orange P50 (3)	CD-920-3/0 Orange P50 (3)	#2 – 3/0 AWG (2)	CD-2001-3/0 Orange P50 (3)	—	Orange 50 (3)	Orange 50 (3)	Orange 50 (2)	—	—	—	—
LCB4/0 LCBN4/0 LCC4/0 LCCN4/0 SCL4/0	4/0 AWG	1-5/8	—	—	—	CD-720-3 Purple P54 (3)	CD-920-4/0 Purple P54 (3)	#1 – 4/0 AWG (2)	CD-2001-4/0 Purple P54 (3)	—	Purple 54 (3)	Purple 54 (3)	Purple 54 (2)	—	—	—	—
LCB250 LCBN250 LCC250 LCCN250 SLC250	250 kcmil	1-11/16 1-5/8	—	—	—	CD-720-3 Yellow P62 (4)	CD-920-250 Yellow P62 (3)	1/0 AWG – 250 kcmil (3)	CD-2001-250 Yellow P62 (3)	—	Yellow 62 (4)	Yellow 62 (4)	Yellow 62 (2)	—	—	—	—

①The CT-1700 and CT-1701 crimp die pockets are integrated into the tool frame.
③CD-920 dies can be used with CT-940CH and CT-2940 tools with CD-940-DA adapter.

⑤Maximum size: 500 kcmil lugs and 250 kcmil splices.
⑥Maximum size: 250 kcmil lugs and splices. No extended wire range.

For use with
Copper
Conductors

Installation Tooling and Die Selections for: Types LCB, LCBN, LCC, LCCN and SCL (continued)

Thomas & Betts			Burndy					Anderson	Penn-Union	Greenlee
TBM15, TBM15I, TBM15BSCR	TBM8-750M-1, TBM8-750, TBM750BSCR®, TBM8-750BSCR	TBM14M, TBM14BSCR, BPLT14BSCR, 13100A	Y2MR, Y1MR, Y1MRTC	MY29	Y35, Y35BH, Y39, Y39BH, Y750, Y750-2, Y750BH, Y750HS, Y750BH-2, PAT750, BAT750, BAT35	Y45Ⓣ, Y46Ⓣ	Y644M, Y644HS, Y644MBH, PAT644, BAT644	VC6	TDY-1	1989
Die Part Number/Color Code and Die Index Number/(Number of Crimps)										
—	—	—	—	—	—	—	—	—	—	—
Red 21 (1)	STD (1)	Red 21 (1)	Red 49 (2)	#8 (1)	U8CRT Red 49 (1)	U8CRT Red 49 (1)	—	—	—	—
Blue 24 (1)	STD (1)	Blue 24 (1)	Blue 7 (2)	#6 (1)	U5CRT Blue 7 (1)	U5CRT Blue 7 (1)	STD (1)	STD (1)	—	—
Gray 29 (1)	STD (1)	Gray 29 (1)	Gray 8 (2)	#4 (1)	U4CRT Gray 8 (1)	U4CRT Gray 8 (1)	STD (1)	STD (1)	—	STD (1)
Brown 33 (1)	STD (1)	Brown 33 (1)	Brown 10 (2)	#2 (1)	U2CRT Brown 9 (solid) /Brown 10 (stranded) (2)	U2CRT Brown 9 (solid) /Brown 10 (stranded) (2)	STD (1)	STD (1)	STD (1)	STD (1)
Green 37 (1)	STD (1)	Green 37 (1)	—	#1 (1)	U1CRT Green 11 (2)	U1CRT Green 11 (2)	STD (1)	STD (1)	STD (1)	STD (1)
Pink 42HⓉ (4)	STD (2)	Pink 42H Ⓣ (4)	—	1/0 (2)	U25RT Pink 12 (2)	U25RT Pink 12 (2)	STD (1)	STD (1)	STD (1)	STD (1)
Black 45 (2)	STD (2)	Black 45 (2)	—	2/0 (2)	U26RT Black 13 (2)	U26RT Black 13 (2)	STD (1)	STD (1)	STD (1)	STD (1)
Orange 50 (2)	STD (2)	Orange 50 (2)	—	3/0 (2)	U27RT Orange 14 (2)	U27RT Orange 14 (2)	STD (1)	STD (2)	STD (1)	STD (1)
Purple 54HⓉ (4)	STD (2)	Purple 54H Ⓣ (4)	—	4/0 (2)	U28RT Purple 15 (2)	U28RT Purple 15 (2)	STD (1)	STD (2)	STD (1)	STD (1)
LCB250 LCBN250 LCC250 LCCN250	250 kcmil	1-11/16	—	—	—	CD-720-3 Yellow P62 (4)	CD-920-250 Yellow P62 (3)	1/0 AWG – 250 kcmil (3)	CD-2001- 250 Yellow P62 (3)	—

ⓉHalf width dies.

ⓉRequires U die adapter.

ⓉMinimum size: #4 AWG lugs and splices.

Chart continues on pages D3.64 – D3.65

For technical assistance in the U.S., call 866-405-6654 (outside the U.S., see inside back cover for directory)

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C2.
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Panduit Part Number L=Lug S=Splice	Std. Wire Size	Wire Strip Length (In.)	Panduit (See Compression Connector Tools Selection Guide, Pages D3.34 – D3.36)				Thomas & Betts	
			CT-720	CT-920, CT-920CH, CT-930, CT-930CH, CT-2920, CT-2930, CT-2930/L, CT-2930/LE, CT-2931, CT-930LPCH ^② , CT-940CH ^③ , CT-2940 ^③ , CT-2940/L ^③ , CT-2940/LE ^③	Uni-Die™ CT-980, CT-980CH, CT-2950 ^⑤ , CT-2980, CT-2980/L, CT-2980/LE, CT-2981, CT-980LPCH ^⑥ Extended Wire Range ^⑦	CT-2001, CT-2001/L, CT-2001/LE, CT-2002, CT-2002/L, CT-3001, CT-3001/E	TBM6, TBM6S, 25000, TBM8	TBM12, 13642M
Die Part Number/Color Code and Die Index Number/(Number Of Crimps)								
LCB300 LCBN300 LCC300 LCCN300 SCL300	300 kcmil	2-5/16 2	CD-720-4 White P66 (4)	CD-920-300 White P66 (3)	2/0 AWG – 300 kcmil (3)	CD-2001-300 White P66 (3)	White 66 (4)	White 66 ^② (4)
LCB350 LCBN350 LCC350 LCCN350 SCL350	350 kcmil	2-5/16 2	CD-720-5 Red P71 (4)	CD-920-350 Red P71 (3)	3/0 AWG – 350 kcmil (3)	CD-2001-350 Red P71 (3)	Red 71 (4)	Red 71H ^② (4)
LCB400 LCBN400 LCC400 LCCN400 SCL400	400 kcmil	2-3/8 2-1/8	CD-720-6 Blue P76 (4)	CD-920-400 Blue P76 (3)	4/0 AWG – 400 kcmil (3)	CD-2001-400 Blue P76 (4)	Blue 76 (4)	Blue 76H ^② (4)
LCB500 LCBN500 LCC500 LCCN500 SCL500	500 kcmil	2-9/16 2-1/4	CD-720-7 Brown P87 (4)	CD-920-500 Brown P87 (3)	4/0 AWG – 500 kcmil (3)	CD-2001-500 Brown P87 (4)	Brown 87 (4)	Brown 87H ^② (4)
LCB600 LCBN600 LCC600 LCCN600 SCL600	600 kcmil	2-3/4 2-11/16	—	CD-920-600 Green P94 (4)	250 – 600 kcmil (3)	—	—	Green 94H ^② (4)
LCB750 LCBN750 LCC750 LCCN750 SCL750	750 kcmil	2-15/16 2-7/8	—	CD-920-750 CD-940-750 ^④ Black P106 (4)	500 – 750 kcmil (3)	—	—	Black 106H ^② (4)
LCB800 LCBN800 LCC800 LCCN800	800 kcmil	3	—	CD-940-800 ^④ Orange P107 (4)	—	—	—	—
LCB1000 LCBN1000 LCC1000 LCCN1000 SCL1000	1000 kcmil	3-1/16 3	—	CD-940-1000 ^④ White P125 (4)	—	—	—	Yellow 125H ^② (4)

②Half width dies.
 ③CD-920 dies can be used with CT-940CH and CT-2940 tools with CD-940-DA adapter.
 ④CD-940 dies to be used exclusively with CT-940CH and CT-2940 tools.
 ⑤Maximum size: 500 kcmil lugs and 250 kcmil splices.
 ⑥Maximum size: 250 kcmil lugs and splices. No extended wire range.
 ⑦Maximum size: 500 kcmil lugs and splices.

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Thomas & Betts			Burdny			Anderson	Penn-Union	Greenlee
TBM15, TBM15I, TBM15BSCR	TBM8-750M-1, TBM8-750, TBM750BSCR®, TBM8-750BSCR	TBM14M, TBM14BSCR, BPLT14BSCR, 13100A	Y35, Y35BH, Y39, Y39BH, Y750, Y750-2, Y750BH, Y750HS, Y750BH-2, PAT750, BAT750, BAT35	Y45 ^② , Y46 ^②	Y644M, Y644HS, Y644MBH, PAT644, BAT644	VC6	TDY-1	1989
Die Part Number/Color Code and Die Index Number/(Number Of Crimps)								
White 66 (3)	STD (3)	White 66 (3)	U30RT White 17 (3)	U30RT White 17 (3)	STD (1)	STD (3)	STD (2)	STD (1)
Red 71 ^② (4)	STD (3)	Red 71 (4)	U31RT Red 18 (3)	U31RT Red 18 (3)	STD (1)	STD (3)	STD (2)	STD (1)
Blue ^② (4)	STD (3)	Blue 76 (4)	U32RT Blue 19 (3)	U32RT Blue 19 (3)	STD (1)	STD (3)	STD (2)	STD (1)
Brown 87 ^② (4)	STD (3)	Brown 87 (4)	U34RT Brown 20 (3)	U34RT Brown 20 (3)	STD (1)	STD (3)	STD (2)	STD (1)
Green 94 ^② (4)	STD (4)	Green 94 (4)	U36RT Green 22 (4)	U36RT Green 22 (4)	STD (1)	—	STD (4)	—
Black 106 ^② (4)	STD (4)	Black 106 (4)	U39RT Black 24 (5)	U39RT Black 24 (5)	STD (1)	—	STD (2)	—
—	—	—	—	—	—	—	—	—
125 ^② (4)	—	125 ^② (4)	—	S44RT White 27 (6)	—	—	—	—

②Half width dies.

⑦Requires U die adapter.

⑧Minimum size: #4 AWG lugs and splices.

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