

A. System Overview



## Flex Conductor, One-Hole, Long Barrel with Window Lug, 45° Angle

B1. Cable Ties

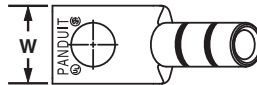
**For Use with Flexible, Extra-Flexible, and Code Stranded Copper Conductors**

### Type LCBX-H

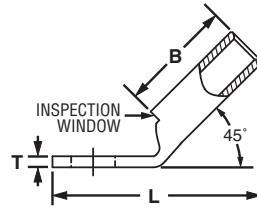
B2. Cable Accessories

- Can be used with code conductor and flex conductor class: G, H, I, K, M and Diesel Locomotive
- Long barrel maximizes number of crimps and provides premium wire pull-out strength and electrical performance
- Generously beveled wire entry prevents bent back strands when inserting conductor into barrel
- 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
- 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

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index

Part Number	Flex Conductor Size		Code Conductor Size	Stud Hole Size (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.
	Class G, H, I, K, M	Diesel Locomotive			W	B	T	L						
<b>LCBX8-10H-L</b>				#10	0.41	0.70	0.08	1.20	Red	P21	49	21	3/4	50
<b>LCBX8-14H-L</b>	#8 AWG	#8 AWG	#8 AWG	1/4	0.48	0.70	0.07	1.28	Red	P21	49	21	3/4	50
<b>LCBX8-38H-L</b>				3/8	0.60	0.70	0.05	1.49	Red	P21	49	21	3/4	50
<b>LCBX6-14H-L</b>	#6 AWG	#6 AWG	#6 AWG	1/4	0.48	1.07	0.08	1.56	Blue	P24	7	24	1 1/8	50
<b>LCBX6-38H-L</b>				3/8	0.62	1.07	0.06	1.77	Blue	P24	7	24	1 1/8	50
<b>LCBX4-14H-L</b>	#4 AWG	#5, #4, #3 AWG	#4 AWG	1/4	0.55	1.05	0.09	1.57	Gray	P29	8	29	1 1/8	50
<b>LCBX4-38H-L</b>				3/8	0.62	1.05	0.07	1.78	Gray	P29	8	29	1 1/8	50
<b>LCBX2-14H-E*</b>				1/4	0.70	1.36	0.11	1.83	Brown	P33	10	33	1 7/16	20
<b>LCBX2-38H-E*</b>	#2 AWG	#2 AWG	#2 AWG	3/8	0.70	1.36	0.11	2.03	Brown	P33	10	33	1 7/16	20
<b>LCBX2-12H-E*</b>				1/2	0.75	1.36	0.09	2.26	Brown	P33	10	33	1 7/16	20
<b>LCBX1-14H-X</b>				1/4	0.76	1.44	0.12	1.98	Green	P37	11	37	1 1/2	10
<b>LCBX1-56H-X</b>	#1 AWG	#1 AWG	#1 AWG	5/16	0.76	1.44	0.12	2.04	Green	P37	11	37	1 1/2	10
<b>LCBX1-38H-X</b>				3/8	0.76	1.44	0.12	2.11	Green	P37	11	37	1 1/2	10
<b>LCBX1/0-14H-X</b>				1/4	0.85	1.50	0.13	2.13	Pink	P42	12	42	1 9/16	10
<b>LCBX1/0-38H-X</b>	1/0 AWG	1/0 AWG	1/0 AWG	3/8	0.85	1.50	0.13	2.20	Pink	P42	12	42	1 9/16	10
<b>LCBX1/0-12H-X</b>				1/2	0.85	1.50	0.13	2.45	Pink	P42	12	42	1 9/16	10
<b>LCBX2/0-14H-X</b>				1/4	0.96	1.50	0.13	2.16	Black	P45	13	45	1 9/16	10
<b>LCBX2/0-38H-X</b>	2/0 AWG	2/0 AWG	2/0 AWG	3/8	0.96	1.50	0.13	2.22	Black	P45	13	45	1 9/16	10
<b>LCBX2/0-12H-X</b>				1/2	0.96	1.50	0.13	2.47	Black	P45	13	45	1 9/16	10
<b>LCBX3/0-38H-X</b>	3/0 AWG	3/0 AWG	3/0 AWG	3/8	1.06	1.56	0.14	2.31	Orange	P50	14	50	1 5/8	10
<b>LCBX4/0-38H-X</b>				3/8	1.19	2.24	0.16	3.12	Purple	P54	15	54	2 5/16	10
<b>LCBX4/0-12H-X</b>	4/0 AWG	4/0 AWG	4/0 AWG	1/2	1.19	2.24	0.16	3.23	Purple	P54	15	54	2 5/16	10
<b>LCBX250-38H-X</b>	250 kcmil	262.6 kcmil	—	3/8	1.28	2.24	0.17	3.15	Yellow	P62	16	62	2 5/16	10
<b>LCBX300-38H-6</b>	300 kcmil	313.1 kcmil	—	3/8	1.39	2.30	0.18	3.42	Red	P71	18	71H	2 3/8	6
<b>LCBX300-12H-6</b>				1/2	1.39	2.30	0.18	3.69	Red	P71	18	71H	2 3/8	6
<b>LCBX350-38H-6</b>	350 kcmil	373.7 kcmil	—	3/8	1.54	2.50	0.22	3.48	Blue	P76	19	76H	2 9/16	6
<b>LCBX350-12H-6</b>				1/2	1.54	2.50	0.22	3.64	Blue	P76	19	76H	2 9/16	6
<b>LCBX450-38H-6</b>	450 kcmil	444.4 kcmil	—	3/8	1.70	2.69	0.26	4.42	Brown	P87	20	87H	2 3/4	6
<b>LCBX500-38H-6</b>	500 kcmil	535.3 kcmil	—	3/8	1.89	2.88	0.26	4.08	Pink	P99	L99	99H	2 15/16	6
<b>LCBX500-12H-6</b>				1/2	1.89	2.88	0.26	4.27	Pink	P99	L99	99H	2 15/16	6

†See pages D3.70 – D3.73 for tool and die information.

\*Not UL Listed or CSA Certified with Class K flex conductor when crimped with Burndy tools.

\*\*Consult cable manufacturer for voltage stress relief instructions with applications greater than 2000 V.