

A. System Overview



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

B1. Cable Ties

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

### Type LCAX-H

- Can be used with code conductor and flex conductor class: G, H, I, K, M and Diesel Locomotive
- 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
- American Bureau of Shipping Approved

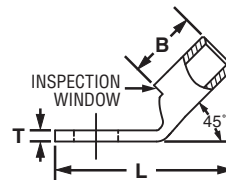
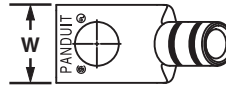
B2. Cable Accessories

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C3. Abrasion Protection



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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						
LCAX8-10H-L	#8 AWG	#8 AWG	#8 AWG	#10	0.41	0.42	0.08	1.00	Red	P21	49	21	1/2	50
LCAX8-14H-L				1/4	0.48	0.42	0.07	1.09	Red	P21	49	21	1/2	50
LCAX8-56H-L				5/16	0.56	0.42	0.05	1.20	Red	P21	49	21	1/2	50
LCAX8-38H-L				3/8	0.60	0.42	0.05	1.30	Red	P21	49	21	1/2	50
LCAX6-10H-L	#6 AWG	#6 AWG	#6 AWG	#10	0.45	0.48	0.09	1.06	Blue	P24	7	24	9/16	50
LCAX6-14H-L				1/4	0.48	0.48	0.08	1.14	Blue	P24	7	24	9/16	50
LCAX6-56H-L				5/16	0.56	0.48	0.07	1.26	Blue	P24	7	24	9/16	50
LCAX6-38H-L				3/8	0.62	0.48	0.06	1.35	Blue	P24	7	24	9/16	50
LCAX4-10H-L	#4 AWG	#5, #4, #3 AWG	#4 AWG	#10	0.55	0.53	0.09	1.12	Gray	P29	8	29	5/8	50
LCAX4-14H-L				1/4	0.55	0.53	0.09	1.21	Gray	P29	8	29	5/8	50
LCAX4-56H-L				5/16	0.55	0.53	0.09	1.33	Gray	P29	8	29	5/8	50
LCAX4-38H-L				3/8	0.62	0.53	0.07	1.42	Gray	P29	8	29	5/8	50
LCAX2-10H-E	#2 AWG	#2 AWG	#2 AWG	#10	0.70	0.59	0.11	1.22	Brown	P33	10	33	11/16	20
LCAX2-14H-E				1/4	0.70	0.59	0.11	1.29	Brown	P33	10	33	11/16	20
LCAX2-56H-E				5/16	0.70	0.59	0.11	1.42	Brown	P33	10	33	11/16	20
LCAX2-38H-E				3/8	0.70	0.59	0.11	1.49	Brown	P33	10	33	11/16	20
LCAX2-12H-E				1/2	0.75	0.59	0.09	1.73	Brown	P33	10	33	11/16	20
LCAX1-10H-X	#1 AWG	#1 AWG	#1 AWG	#10	0.76	0.66	0.12	1.43	Green	P37	11	37	3/4	10
LCAX1-14H-X				1/4	0.76	0.66	0.12	1.43	Green	P37	11	37	3/4	10
LCAX1-56H-X				5/16	0.76	0.66	0.12	1.49	Green	P37	11	37	3/4	10
LCAX1-38H-X				3/8	0.76	0.66	0.12	1.56	Green	P37	11	37	3/4	10
LCAX1-12H-X				1/2	0.80	0.66	0.12	1.80	Green	P37	11	37	3/4	10
LCAX1/0-14H-X	1/0 AWG	1/0 AWG	1/0 AWG	1/4	0.85	0.72	0.13	1.58	Pink	P42	12	42	3/4	10
LCAX1/0-56H-X				5/16	0.85	0.72	0.13	1.58	Pink	P42	12	42	3/4	10
LCAX1/0-38H-X				3/8	0.85	0.72	0.13	1.64	Pink	P42	12	42	3/4	10
LCAX1/0-12H-X				1/2	0.85	0.72	0.13	1.89	Pink	P42	12	42	3/4	10

‡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.



## Flex Conductor, One-Hole, Standard Barrel with Window Lug, 45° Angle (continued)

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									
LCAX2/0-10H-X	2/0 AWG	2/0 AWG	2/0 AWG	#10	0.96	0.83	0.13	1.56	Black	P45	13	45	7/8	10			
LCAX2/0-14H-X				1/4	0.96	0.83	0.13	1.68	Black	P45	13	45	7/8	10			
LCAX2/0-56H-X				5/16	0.96	0.83	0.13	1.68	Black	P45	13	45	7/8	10			
LCAX2/0-38H-X				3/8	0.96	0.83	0.13	1.74	Black	P45	13	45	7/8	10			
LCAX2/0-12H-X				1/2	0.96	0.83	0.13	1.99	Black	P45	13	45	7/8	10			
LCAX2/0-58H-X				5/8	0.96	0.83	0.13	2.28	Black	P45	13	45	7/8	10			
LCAX3/0-10H-X				3/0 AWG	3/0 AWG	3/0 AWG	#10	1.06	0.91	0.14	1.77	Orange	P50	14	50	1	10
LCAX3/0-14H-X	1/4	1.06	0.91				0.14	1.77	Orange	P50	14	50	1	10			
LCAX3/0-56H-X	5/16	1.06	0.91				0.14	1.78	Orange	P50	14	50	1	10			
LCAX3/0-38H-X	3/8	1.06	0.91				0.14	1.85	Orange	P50	14	50	1	10			
LCAX3/0-12H-X	1/2	1.06	0.91				0.14	2.08	Orange	P50	14	50	1	10			
LCAX4/0-14H-X	4/0 AWG	4/0 AWG	4/0 AWG				1/4	1.19	1.03	0.16	2.03	Purple	P54	15	54	1 1/16	10
LCAX4/0-56H-X							5/16	1.19	1.03	0.16	2.26	Purple	P54	15	54	1 1/16	10
LCAX4/0-38H-X				3/8	1.19	1.03	0.16	2.26	Purple	P54	15	54	1 1/16	10			
LCAX4/0-12H-X				1/2	1.19	1.03	0.16	2.37	Purple	P54	15	54	1 1/16	10			
LCAX4/0-58H-X				5/8	1.19	1.03	0.16	2.58	Purple	P54	15	54	1 1/16	10			
LCAX4/0-34H-X				3/4	1.19	1.03	0.16	2.58	Purple	P54	15	54	1 1/16	10			
LCAX250-14H-X				250 kcmil	262.6 kcmil	—	1/4	1.28	1.03	0.17	2.30	Yellow	P62	16	62	1 1/16	10
LCAX250-56H-X	5/16	1.28	1.03				0.17	2.30	Yellow	P62	16	62	1 1/16	10			
LCAX250-38H-X	3/8	1.28	1.03				0.17	2.30	Yellow	P62	16	62	1 1/16	10			
LCAX250-12H-X	1/2	1.28	1.03				0.17	2.41	Yellow	P62	16	62	1 1/16	10			
LCAX250-58H-X	5/8	1.28	1.03				0.17	2.62	Yellow	P62	16	62	1 1/16	10			
LCAX250-34H-X	3/4	1.28	1.03				0.17	2.62	Yellow	P62	16	62	1 1/16	10			
LCAX300-38H-6	300 kcmil	313.1 kcmil	—				3/8	1.39	1.19	0.18	2.64	Red	P71	18	71H	1 1/4	6
LCAX300-12H-6				1/2	1.39	1.19	0.18	2.64	Red	P71	18	71H	1 1/4	6			
LCAX300-58H-6				5/8	1.39	1.19	0.18	2.85	Red	P71	18	71H	1 1/4	6			
LCAX350-56H-6	350 kcmil	373.7 kcmil	—	5/16	1.54	1.29	0.22	2.62	Blue	P76	19	76H	1 3/8	6			
LCAX350-38H-6				3/8	1.54	1.29	0.22	2.62	Blue	P76	19	76H	1 3/8	6			
LCAX350-12H-6				1/2	1.54	1.29	0.22	2.78	Blue	P76	19	76H	1 3/8	6			
LCAX350-58H-6				5/8	1.54	1.29	0.22	2.99	Blue	P76	19	76H	1 3/8	6			
LCAX450-12H-6	450 kcmil	444.4 kcmil	—	1/2	1.70	1.40	0.26	3.26	Brown	P87	20	87H	1 7/16	6			
LCAX450-58H-6				5/8	1.70	1.40	0.26	3.39	Brown	P87	20	87H	1 7/16	6			
LCAX500-56H-6	500 kcmil	535.3 kcmil	—	5/16	1.89	1.48	0.26	2.87	Pink	P99	L99	99H	1 9/16	6			
LCAX500-38H-6				3/8	1.89	1.48	0.26	2.87	Pink	P99	L99	99H	1 9/16	6			
LCAX500-12H-6				1/2	1.89	1.48	0.26	3.24	Pink	P99	L99	99H	1 9/16	6			
LCAX500-58H-6				5/8	1.89	1.48	0.26	3.80	Pink	P99	L99	99H	1 9/16	6			
LCAX650-56H-6	—	646.4 kcmil	—	5/16	1.95	1.45	0.30	2.89	Black	P106	24	106H	1 1/2	6			
LCAX650-38H-6				3/8	1.95	1.45	0.30	2.89	Black	P106	24	106H	1 1/2	6			
LCAX650-12H-6				1/2	1.95	1.45	0.30	3.26	Black	P106	24	106H	1 1/2	6			
LCAX650-58H-6				5/8	1.95	1.45	0.30	3.82	Black	P106	24	106H	1 1/2	6			
LCAX750-12H-3	—	777.7 kcmil	—	1/2	2.17	1.66	0.32	3.52	Yellow	P115	L115	115H	1 3/4	3			
LCAX750-58H-3				5/8	2.17	1.66	0.32	4.18	Yellow	P115	L115	115H	1 3/4	3			

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