



THE DATASHEET OF LCAF1-14-X



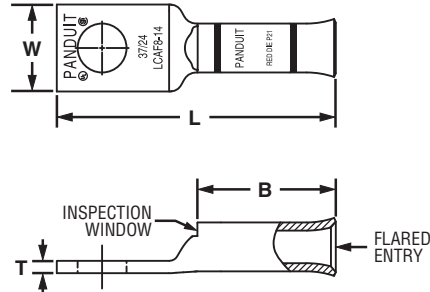


Flex Conductor, One-Hole, Standard Barrel with Window, Flared NEBS Lug

For Use with Flexible and Extra-Flexible Copper Conductors

Type LCAF

- Can be used with flex conductor class: K, M, and Diesel Locomotive
- Flared entry prevents bent back strands when inserting fine strand conductor into barrel
- Color-coded barrels marked with Panduit 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 crimping tools and dies
- **Tested by Telcordia – meets NEBS Level 3**
- American Bureau of Shipping approved



Part Number	Flex Conductor Size		Stud Hole Size (In.)	Figure Dimensions (In.)				Panduit Color Code	Panduit Die Index No.‡	Wire Strip Length (In.)	Std. Pkg. Qty.
	Class K and M	Diesel Locomotive		W	B	T	L				
LCAF8-10-L	—	#8 AWG	#10	0.41	0.76	0.08	1.45	Red	P21	13/16	50
LCAF8-14-L			1/4	0.48	0.76	0.07	1.54	Red	P21	13/16	50
LCAF8-56-L			5/16	0.56	0.76	0.05	1.66	Red	P21	13/16	50
LCAF8-38-L			3/8	0.60	0.76	0.05	1.76	Red	P21	13/16	50
LCAF6-10-L	#6 AWG	#6 AWG	#10	0.45	0.81	0.09	1.52	Blue	P24	7/8	50
LCAF6-14-L			1/4	0.48	0.81	0.08	1.61	Blue	P24	7/8	50
LCAF6-56-L			5/16	0.56	0.81	0.07	1.73	Blue	P24	7/8	50
LCAF6-38-L			3/8	0.62	0.81	0.06	1.83	Blue	P24	7/8	50
LCAF4-10-L	#4 AWG	#4 AWG	#10	0.55	0.81	0.09	1.54	Gray	P29	7/8	50
LCAF4-14-L			1/4	0.55	0.81	0.09	1.63	Gray	P29	7/8	50
LCAF4-56-L			5/16	0.55	0.81	0.09	1.75	Gray	P29	7/8	50
LCAF4-38-L			3/8	0.62	0.81	0.07	1.85	Gray	P29	7/8	50
LCAF2-14-E	#2 AWG	#2 AWG	1/4	0.70	0.88	0.11	1.79	Brown	P33	15/16	20
LCAF2-56-E			5/16	0.70	0.88	0.11	1.92	Brown	P33	15/16	20
LCAF2-38-E			3/8	0.70	0.88	0.11	1.99	Brown	P33	15/16	20
LCAF2-12-E			1/2	0.79	0.88	0.09	2.23	Brown	P33	15/16	20
LCAF1-14-X	#1 AWG	#1 AWG	1/4	0.76	0.94	0.12	1.95	Pink	P42	1	10
LCAF1-56-X			5/16	0.76	0.94	0.12	2.00	Pink	P42	1	10
LCAF1-38-X			3/8	0.76	0.94	0.12	2.08	Pink	P42	1	10
LCAF1-12-X			1/2	0.80	0.94	0.12	2.31	Pink	P42	1	10
LCAF1/0-14-X	1/0 AWG	1/0 AWG	1/4	0.85	1.35	0.13	2.46	Black	P45	1 7/16	10
LCAF1/0-56-X			5/16	0.85	1.35	0.13	2.46	Black	P45	1 7/16	10
LCAF1/0-38-X			3/8	0.85	1.35	0.13	2.52	Black	P45	1 7/16	10
LCAF1/0-12-X			1/2	0.85	1.35	0.13	2.77	Black	P45	1 7/16	10

‡See pages D3.74, D3.75 for tool and die information.

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

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A. System Overview



Flex Conductor, One-Hole, Standard Barrel with Window, Flared NEBS Lug (continued)

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

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F. Index


Part Number	Flex Conductor Size		Stud Hole Size (In.)	Figure Dimensions (In.)				Panduit Color Code	Panduit Die Index No.‡	Wire Strip Length (In.)	Std. Pkg. Qty.
	Class K and M	Diesel Locomotive		W	B	T	L				
LCAF2/0-14-X	2/0 AWG	2/0 AWG	1/4	0.96	1.35	0.13	2.49	Orange	P50	1 7/16	10
LCAF2/0-56-X			5/16	0.96	1.35	0.13	2.49	Orange	P50	1 7/16	10
LCAF2/0-38-X			3/8	0.96	1.35	0.13	2.55	Orange	P50	1 7/16	10
LCAF2/0-12-X			1/2	0.96	1.35	0.13	2.80	Orange	P50	1 7/16	10
LCAF3/0-14-X	3/0 AWG	3/0 AWG	1/4	1.06	1.35	0.14	2.52	Purple	P54	1 7/16	10
LCAF3/0-56-X			5/16	1.06	1.35	0.14	2.53	Purple	P54	1 7/16	10
LCAF3/0-38-X			3/8	1.06	1.35	0.14	2.60	Purple	P54	1 7/16	10
LCAF3/0-12-X			1/2	1.06	1.35	0.14	2.83	Purple	P54	1 7/16	10
LCAF4/0-14-X	4/0 AWG	4/0 AWG	1/4	1.17	1.35	0.14	2.56	Yellow	P62	1 7/16	10
LCAF4/0-56-X			5/16	1.17	1.35	0.14	2.58	Yellow	P62	1 7/16	10
LCAF4/0-38-X			3/8	1.17	1.35	0.14	2.65	Yellow	P62	1 7/16	10
LCAF4/0-12-X			1/2	1.17	1.35	0.14	2.88	Yellow	P62	1 7/16	10
LCAF250-38-X	250 kcmil	262.6 kcmil	3/8	1.28	1.65	0.17	3.19	White	P66	1 3/4	10
LCAF250-12-X			1/2	1.28	1.65	0.17	3.30	White	P66	1 3/4	10
LCAF250-58-X			5/8	1.28	1.65	0.17	3.51	White	P66	1 3/4	10
LCAF250-78-X			7/8	1.28	1.65	0.17	3.95	White	P66	1 3/4	10
LCAF300-38-6	300 kcmil	313.1 kcmil	3/8	1.39	1.65	0.18	3.37	Red	P71	1 3/4	6
LCAF300-12-6			1/2	1.39	1.65	0.18	3.37	Red	P71	1 3/4	6
LCAF300-58-6			5/8	1.39	1.65	0.18	3.58	Red	P71	1 3/4	6
LCAF300-78-6			7/8	1.39	1.65	0.18	3.97	Red	P71	1 3/4	6
LCAF350-38-6	350 kcmil	373.7 kcmil	3/8	1.54	1.85	0.22	3.49	Blue	P76	1 15/16	6
LCAF350-12-6			1/2	1.54	1.85	0.22	3.65	Blue	P76	1 15/16	6
LCAF350-58-6			5/8	1.54	1.85	0.22	3.86	Blue	P76	1 15/16	6
LCAF350-34-6			3/4	1.54	1.85	0.22	4.00	Blue	P76	1 15/16	6
LCAF350-78-6	400 kcmil	444.4 kcmil	7/8	1.54	1.85	0.22	4.25	Blue	P76	1 15/16	6
LCAF350-1-6			1	1.54	1.85	0.22	4.37	Blue	P76	1 15/16	6
LCAF400-12-6			1/2	1.70	2.20	0.26	4.65	Brown	P87	2 1/4	6
LCAF400-58-6			5/8	1.70	2.20	0.26	4.65	Brown	P87	2 1/4	6
LCAF400-78-6	500 kcmil	535.3 kcmil	7/8	1.70	2.20	0.26	4.65	Brown	P87	2 1/4	6
LCAF500-12-6			1/2	1.89	2.28	0.26	4.99	Pink	P99	2 5/16	6
LCAF500-58-6			5/8	1.89	2.28	0.26	5.18	Pink	P99	2 5/16	6
LCAF600-12-6			—	646.4 kcmil	1/2	1.95	2.33	0.30	5.07	Black	P106
LCAF600-58-6	5/8	1.95			2.33	0.30	5.26	Black	P106	2 3/8	6
LCAF750-12-3	—	777.7 kcmil	1/2	2.17	2.38	0.32	5.21	Orange	P107	2 7/16	3
LCAF750-58-3			5/8	2.17	2.38	0.32	5.40	Orange	P107	2 7/16	3

‡See pages D3.74, D3.75 for tool and die information.

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