

A. System Overview



## Flex Conductor, Two-Hole, Long Barrel, Flared NEBS Lug

B1. Cable Ties

**For Use with Flexible and Extra-Flexible Copper Conductors**

### Type LCCF

B2. Cable Accessories

- Can be used with flex conductor class: K, M, and Diesel Locomotive
- Long barrel maximizes the number of crimps and provides premium wire pull-out strength and electrical performance
- 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
- Enclosed barrel prevents corrosive material from entering barrel when used in harsh environments
- 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**
- Available with NEMA hole sizes and spacing

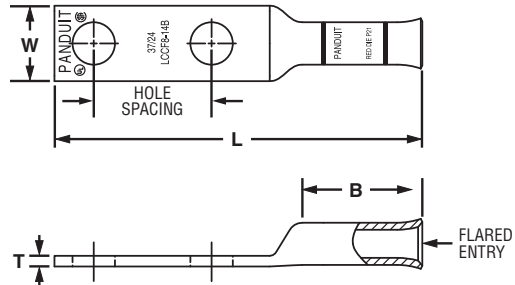
B3. Stainless Steel Ties

C1. Wiring Duct



C2. Surface Raceway

C3. Abrasion Protection



C4. Cable Management

Part Number	Flex Conductor Size		Stud Hole Size (In.)	Stud Hole Spacing (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				
LCCF8-14A-L	—	#8 AWG	1/4	.63	.48	.76	.07	2.22	Red	P21	13/16	50
LCCF8-14B-L			1/4	.75	.48	.76	.07	2.34	Red	P21	13/16	50
LCCF8-38D-L			3/8	1.00	.60	.76	.05	2.81	Red	P21	13/16	50
<b>LCCF6-14A-L</b>	#6 AWG	#6 AWG	1/4	.63	.48	1.22	.08	2.71	Blue	P24	1 5/16	50
<b>LCCF6-14B-L</b>			1/4	.75	.48	1.22	.08	2.83	Blue	P24	1 5/16	50
<b>LCCF6-38D-L</b>			3/8	1.00	.62	1.22	.06	3.30	Blue	P24	1 5/16	50
<b>LCCF4-14A-L</b>	#4 AWG	#4 AWG	1/4	.63	.55	1.23	.09	2.75	Gray	P29	1 5/16	50
<b>LCCF4-14B-L</b>			1/4	.75	.55	1.23	.09	2.88	Gray	P29	1 5/16	50
<b>LCCF4-38D-L</b>			3/8	1.00	.62	1.23	.08	3.35	Gray	P29	1 5/16	50
<b>LCCF2-14A-E</b>	#2 AWG	#2 AWG	1/4	.63	.70	1.36	.11	3.00	Brown	P33	1 7/16	20
<b>LCCF2-14B-E</b>			1/4	.75	.70	1.36	.11	3.12	Brown	P33	1 7/16	20
<b>LCCF2-56B-E</b>			5/16	.75	.70	1.36	.11	3.25	Brown	P33	1 7/16	20
<b>LCCF2-38D-E</b>			3/8	1.00	.70	1.36	.11	3.57	Brown	P33	1 7/16	20
<b>LCCF2-12-E</b>			1/2	1.75	.75	1.36	.09	4.74	Brown	P33	1 7/16	20
<b>LCCF1-14A-X</b>	#1 AWG	#1 AWG	1/4	.63	.76	1.44	.12	3.18	Pink	P42	1 1/2	10
<b>LCCF1-14B-X</b>			1/4	.75	.76	1.44	.12	3.31	Pink	P42	1 1/2	10
<b>LCCF1-56C-X</b>			5/16	.88	.76	1.44	.12	3.49	Pink	P42	1 1/2	10
<b>LCCF1-38D-X</b>			3/8	1.00	.76	1.44	.12	3.69	Pink	P42	1 1/2	10
<b>LCCF1-12-X</b>			1/2	1.75	.80	1.44	.12	4.86	Pink	P42	1 1/2	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.

◆NEMA hole sizes and spacing.

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index



## Flex Conductor, Two-Hole, Long Barrel, Flared NEBS Lug (continued)

Part Number	Flex Conductor Size		Stud Hole Size (In.)	Stud Hole Spacing (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				
LCCF1/0-14A-X	1/0 AWG	1/0 AWG	1/4	.63	.85	1.50	.13	3.38	Black	P45	1 9/16	10
LCCF1/0-14B-X			1/4	.75	.85	1.50	.13	3.51	Black	P45	1 9/16	10
LCCF1/0-56C-X			5/16	.88	.85	1.50	.13	3.63	Black	P45	1 9/16	10
LCCF1/0-38D-X			3/8	1.00	.85	1.50	.13	3.82	Black	P45	1 9/16	10
LCCF1/0-12-X			1/2	1.75	.85	1.50	.13	4.98	Black	P45	1 9/16	10
LCCF2/0-14A-X	2/0 AWG	2/0 AWG	1/4	.63	.96	1.50	.13	3.43	Orange	P50	1 9/16	10
LCCF2/0-14B-X			1/4	.75	.96	1.50	.13	3.56	Orange	P50	1 9/16	10
LCCF2/0-38D-X			3/8	1.00	.96	1.50	.13	3.87	Orange	P50	1 9/16	10
LCCF2/0-12-X			1/2	1.75	.96	1.50	.13	5.03	Orange	P50	1 9/16	10
LCCF3/0-14B-X	3/0 AWG	3/0 AWG	1/4	.75	1.06	1.56	.14	3.66	Purple	P54	1 5/8	10
LCCF3/0-38D-X			3/8	1.00	1.06	1.56	.14	3.99	Purple	P54	1 5/8	10
LCCF3/0-12-X			1/2	1.75	1.06	1.56	.14	5.13	Purple	P54	1 5/8	10
LCCF4/0-14B-X	4/0 AWG	4/0 AWG	1/4	.75	1.17	1.61	.14	3.60	Yellow	P62	1 11/16	10
LCCF4/0-38D-X			3/8	1.00	1.17	1.61	.14	4.09	Yellow	P62	1 11/16	10
LCCF4/0-38-X			3/8	1.75	1.17	1.61	.14	4.84	Yellow	P62	1 11/16	10
LCCF4/0-12-X			1/2	1.75	1.17	1.61	.14	5.23	Yellow	P62	1 11/16	10
LCCF250-14B-X	250 kcmil	262.6 kcmil	1/4	.75	1.28	2.24	.17	4.33	White	P66	2 5/16	10
LCCF250-38D-X			3/8	1.00	1.28	2.24	.17	4.81	White	P66	2 5/16	10
LCCF250-12E-X			1/2	1.25	1.28	2.24	.17	5.49	White	P66	2 5/16	10
LCCF250-12-X			1/2	1.75	1.28	2.24	.17	5.99	White	P66	2 5/16	10
LCCF300-14B-6	300 kcmil	313.1 kcmil	1/4	.75	1.38	2.30	.18	4.44	Red	P71	2 3/8	6
LCCF300-38D-6			3/8	1.00	1.38	2.30	.18	4.92	Red	P71	2 3/8	6
LCCF300-12-6			1/2	1.75	1.38	2.30	.18	6.10	Red	P71	2 3/8	6
LCCF350-14B-6	350 kcmil	373.7 kcmil	1/4	.75	1.53	2.50	.22	4.70	Blue	P76	2 9/16	6
LCCF350-38D-6			3/8	1.00	1.53	2.50	.22	5.18	Blue	P76	2 9/16	6
LCCF350-12E-6			1/2	1.25	1.53	2.50	.22	5.86	Blue	P76	2 9/16	6
LCCF350-12-6			1/2	1.75	1.53	2.50	.22	6.36	Blue	P76	2 9/16	6
LCCF400-38D-6	400 kcmil	444.4 kcmil	3/8	1.00	1.70	2.69	.26	5.45	Brown	P87	2 3/4	6
LCCF400-12-6			1/2	1.75	1.70	2.69	.26	6.63	Brown	P87	2 3/4	6
LCCF500-12-6	500 kcmil	535.3 kcmil	1/2	1.75	1.89	2.88	.26	7.04	Pink	P99	2 15/16	6
LCCF600-12-6	—	646.4 kcmil	1/2	1.75	1.95	2.94	.29	7.13	Black	P106	3	6
LCCF750-38D-3	—	777.7 kcmil	3/8	1.00	2.17	3.00	.32	6.35	Orange	P107	3 1/16	3
LCCF750-12-3			1/2	1.75	2.17	3.00	.32	7.29	Orange	P107	3 1/16	3

‡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.

◆NEMA hole sizes and spacing.

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System  
Overview

B1.  
Cable Ties

B2.  
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B3.  
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Wiring  
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C2.  
Surface  
Raceway

C3.  
Abrasion  
Protection

C4.  
Cable  
Management

D1.  
Terminals

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E1.  
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