

A. System Overview



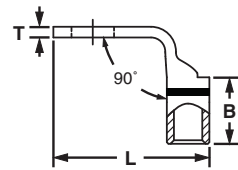
Flex Conductor, One-Hole, Standard Barrel with Window Lug, 90° Angle

B1. Cable Ties

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

Type LCAX-F

- 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



C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

| 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 | | | | | | |
| LCAX8-10F-L | #8 AWG | #8 AWG | #8 AWG | #10 | 0.41 | 0.42 | 0.08 | 0.90 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCAX8-14F-L | | | | 1/4 | 0.48 | 0.42 | 0.07 | 0.99 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCAX8-56F-L | | | | 5/16 | 0.56 | 0.42 | 0.05 | 1.11 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCAX8-38F-L | | | | 3/8 | 0.60 | 0.42 | 0.05 | 1.21 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCAX6-10F-L | #6 AWG | #6 AWG | #6 AWG | #10 | 0.45 | 0.48 | 0.09 | 0.99 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCAX6-14F-L | | | | 1/4 | 0.48 | 0.48 | 0.08 | 1.03 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCAX6-56F-L | | | | 5/16 | 0.56 | 0.48 | 0.07 | 1.15 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCAX6-38F-L | | | | 3/8 | 0.62 | 0.48 | 0.06 | 1.25 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCAX4-10F-L | #4 AWG | #5, #4, #3 AWG | #4 AWG | #10 | 0.55 | 0.53 | 0.09 | 1.03 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCAX4-14F-L | | | | 1/4 | 0.55 | 0.53 | 0.09 | 1.12 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCAX4-56F-L | | | | 5/16 | 0.55 | 0.53 | 0.09 | 1.24 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCAX4-38F-L | | | | 3/8 | 0.62 | 0.53 | 0.07 | 1.34 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCAX2-10F-E* | #2 AWG | #2 AWG | #2 AWG | #10 | 0.70 | 0.59 | 0.11 | 1.21 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCAX2-14F-E* | | | | 1/4 | 0.70 | 0.59 | 0.11 | 1.31 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCAX2-56F-E* | | | | 5/16 | 0.70 | 0.59 | 0.11 | 1.44 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCAX2-38F-E* | | | | 3/8 | 0.70 | 0.59 | 0.11 | 1.51 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCAX2-12F-E* | #1 AWG | #1 AWG | #1 AWG | 1/2 | 0.75 | 0.59 | 0.09 | 1.75 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCAX1-10F-X | | | | #10 | 0.76 | 0.66 | 0.12 | 1.28 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCAX1-14F-X | | | | 1/4 | 0.76 | 0.66 | 0.12 | 1.45 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCAX1-56F-X | | | | 5/16 | 0.76 | 0.66 | 0.12 | 1.51 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCAX1-38F-X | 3/8 | 0.76 | 0.66 | 0.12 | 1.58 | Green | P37 | 11 | 37 | 3/4 | 10 | | | |
| LCAX1-12F-X | | | | | | | | | | | | 1/2 | 0.80 | 0.66 |
| LCAX1/0-14F-X | 1/0 AWG | 1/0 AWG | 1/0 AWG | 1/4 | 0.85 | 0.72 | 0.13 | 1.59 | Pink | P42 | 12 | 42 | 3/4 | 10 |
| LCAX1/0-56F-X | | | | 5/16 | 0.85 | 0.72 | 0.13 | 1.59 | Pink | P42 | 12 | 42 | 3/4 | 10 |
| LCAX1/0-38F-X | | | | 3/8 | 0.85 | 0.72 | 0.13 | 1.66 | Pink | P42 | 12 | 42 | 3/4 | 10 |
| LCAX1/0-12F-X | | | | 1/2 | 0.85 | 0.72 | 0.13 | 1.91 | 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.

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index



Flex Conductor, One-Hole, Standard Barrel with Window Lug, 90° 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 | | | | | | |
| LCAX2/0-10F-X | 2/0 AWG | 2/0 AWG | 2/0 AWG | #10 | 0.96 | 0.83 | 0.13 | 1.42 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCAX2/0-14F-X | | | | 1/4 | 0.96 | 0.83 | 0.13 | 1.67 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCAX2/0-56F-X | | | | 5/16 | 0.96 | 0.83 | 0.13 | 1.67 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCAX2/0-38F-X | | | | 3/8 | 0.96 | 0.83 | 0.13 | 1.73 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCAX2/0-12F-X | | | | 1/2 | 0.96 | 0.83 | 0.13 | 1.98 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCAX2/0-58F-X | | | | 5/8 | 0.96 | 0.83 | 0.13 | 2.27 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCAX3/0-10F-X | 3/0 AWG | 3/0 AWG | 3/0 AWG | #10 | 1.06 | 0.91 | 0.14 | 1.51 | Orange | P50 | 14 | 50 | 1 | 10 |
| LCAX3/0-14F-X | | | | 1/4 | 1.06 | 0.91 | 0.14 | 1.75 | Orange | P50 | 14 | 50 | 1 | 10 |
| LCAX3/0-56F-X | | | | 5/16 | 1.06 | 0.91 | 0.14 | 1.77 | Orange | P50 | 14 | 50 | 1 | 10 |
| LCAX3/0-38F-X | | | | 3/8 | 1.06 | 0.91 | 0.14 | 1.84 | Orange | P50 | 14 | 50 | 1 | 10 |
| LCAX3/0-12F-X | 1/2 | 1.06 | 0.91 | 0.14 | 2.07 | Orange | P50 | 14 | 50 | 1 | 10 | | | |
| LCAX4/0-14F-X | 4/0 AWG | 4/0 AWG | 4/0 AWG | 1/4 | 1.19 | 1.03 | 0.16 | 1.84 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCAX4/0-56F-X | | | | 5/16 | 1.19 | 1.03 | 0.16 | 2.07 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCAX4/0-38F-X | | | | 3/8 | 1.19 | 1.03 | 0.16 | 2.07 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCAX4/0-12F-X | | | | 1/2 | 1.19 | 1.03 | 0.16 | 2.18 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCAX4/0-58F-X | | | | 5/8 | 1.19 | 1.03 | 0.16 | 2.39 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCAX4/0-34F-X | | | | 3/4 | 1.19 | 1.03 | 0.16 | 2.58 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCAX250-14F-X | 250 kcmil | 262.6 kcmil | — | 1/4 | 1.28 | 1.03 | 0.17 | 1.90 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 |
| LCAX250-56F-X | | | | 5/16 | 1.28 | 1.03 | 0.17 | 2.13 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 |
| LCAX250-38F-X | | | | 3/8 | 1.28 | 1.03 | 0.17 | 2.13 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 |
| LCAX250-12F-X | | | | 1/2 | 1.28 | 1.03 | 0.17 | 2.24 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 |
| LCAX250-58F-X | | | | 5/8 | 1.28 | 1.03 | 0.17 | 2.45 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 |
| LCAX250-34F-X | | | | 3/4 | 1.28 | 1.03 | 0.17 | 2.64 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 |
| LCAX300-38F-6 | 300 kcmil | 313.1 kcmil | — | 3/8 | 1.39 | 1.19 | 0.18 | 2.37 | Red | P71 | 18 | 71H | 1 1/4 | 6 |
| LCAX300-12F-6 | | | | 1/2 | 1.39 | 1.19 | 0.18 | 2.37 | Red | P71 | 18 | 71H | 1 1/4 | 6 |
| LCAX300-58F-6 | | | | 5/8 | 1.39 | 1.19 | 0.18 | 2.58 | Red | P71 | 18 | 71H | 1 1/4 | 6 |
| LCAX350-56F-6 | 350 kcmil | 373.7 kcmil | — | 5/16 | 1.54 | 1.29 | 0.22 | 2.32 | Blue | P76 | 19 | 76H | 1 3/8 | 6 |
| LCAX350-38F-6 | | | | 3/8 | 1.54 | 1.29 | 0.22 | 2.32 | Blue | P76 | 19 | 76H | 1 3/8 | 6 |
| LCAX350-12F-6 | | | | 1/2 | 1.54 | 1.29 | 0.22 | 2.48 | Blue | P76 | 19 | 76H | 1 3/8 | 6 |
| LCAX350-58F-6 | | | | 5/8 | 1.54 | 1.29 | 0.22 | 2.69 | Blue | P76 | 19 | 76H | 1 3/8 | 6 |
| LCAX450-12F-6 | 450 kcmil | 444.4 kcmil | — | 1/2 | 1.70 | 1.40 | 0.26 | 2.95 | Brown | P87 | 20 | 87H | 1 7/16 | 6 |
| LCAX450-58F-6 | | | | 5/8 | 1.70 | 1.40 | 0.26 | 3.08 | Brown | P87 | 20 | 87H | 1 7/16 | 6 |
| LCAX500-56F-6 | 500 kcmil | 535.3 kcmil | — | 5/16 | 1.89 | 1.48 | 0.26 | 2.44 | Pink | P99 | L99 | 99H | 1 9/16 | 6 |
| LCAX500-38F-6 | | | | 3/8 | 1.89 | 1.48 | 0.26 | 2.69 | Pink | P99 | L99 | 99H | 1 9/16 | 6 |
| LCAX500-12F-6 | | | | 1/2 | 1.89 | 1.48 | 0.26 | 2.81 | Pink | P99 | L99 | 99H | 1 9/16 | 6 |
| LCAX500-58F-6 | | | | 5/8 | 1.89 | 1.48 | 0.26 | 3.37 | Pink | P99 | L99 | 99H | 1 9/16 | 6 |
| LCAX650-56F-6 | — | 646.4 kcmil | — | 5/16 | 1.95 | 1.45 | 0.30 | 2.50 | Black | P106 | 24 | 106H | 1 1/2 | 6 |
| LCAX650-38F-6 | | | | 3/8 | 1.95 | 1.45 | 0.30 | 2.50 | Black | P106 | 24 | 106H | 1 1/2 | 6 |
| LCAX650-12F-6 | | | | 1/2 | 1.95 | 1.45 | 0.30 | 2.86 | Black | P106 | 24 | 106H | 1 1/2 | 6 |
| LCAX650-58F-6 | | | | 5/8 | 1.95 | 1.45 | 0.30 | 3.42 | Black | P106 | 24 | 106H | 1 1/2 | 6 |
| LCAX750-12F-3 | — | 777.7 kcmil | — | 1/2 | 2.17 | 1.66 | 0.32 | 2.86 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 |
| LCAX750-58F-3 | | | | 5/8 | 2.17 | 1.66 | 0.32 | 3.67 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 |

‡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.

A.
System
Overview

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

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
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