

A. System Overview



## Flex Conductor, Two-Hole, Long Barrel with Window Lug, 90° Angle

B1. Cable Ties

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

### Type LCCX-F

- 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
- Available with NEMA hole sizes and spacing

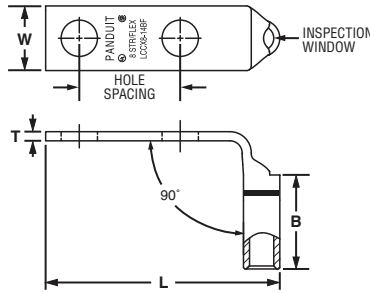
B2. Cable Accessories

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. Index

| Part Number    | Flex Conductor Size |                   | Code Conductor Size | Stud Hole Size (In.) | Stud Hole Spacing (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    |                    |                        |                      |                   |                         |                |
| LCCX8-10AF-L   | #8 AWG              | #8 AWG            | #8 AWG              | #10                  | 0.63                    | 0.41                    | 0.70 | 0.08 | 1.53 | Red                | P21                    | 49                   | 21                | 3/4                     | 50             |
| LCCX8-10BF-L   |                     |                   |                     | #10                  | 0.75                    | 0.41                    | 0.70 | 0.08 | 1.65 | Red                | P21                    | 49                   | 21                | 3/4                     | 50             |
| LCCX8-14AF-L   |                     |                   |                     | 1/4                  | 0.63                    | 0.48                    | 0.70 | 0.07 | 1.62 | Red                | P21                    | 49                   | 21                | 3/4                     | 50             |
| LCCX8-14BF-L   |                     |                   |                     | 1/4                  | 0.75                    | 0.48                    | 0.70 | 0.07 | 1.74 | Red                | P21                    | 49                   | 21                | 3/4                     | 50             |
| LCCX8-14DF-L   |                     |                   |                     | 1/4                  | 1.00                    | 0.48                    | 0.70 | 0.07 | 1.99 | Red                | P21                    | 49                   | 21                | 3/4                     | 50             |
| LCCX8-38DF-L   | #6 AWG              | #6 AWG            | #6 AWG              | 3/8                  | 1.00                    | 0.60                    | 0.70 | 0.05 | 2.21 | Red                | P21                    | 49                   | 21                | 3/4                     | 50             |
| LCCX6-10BF-L   |                     |                   |                     | #10                  | 0.75                    | 0.46                    | 1.07 | 0.08 | 1.69 | Blue               | P24                    | 7                    | 24                | 1 1/8                   | 50             |
| LCCX6-14AF-L   |                     |                   |                     | 1/4                  | 0.63                    | 0.48                    | 1.07 | 0.08 | 1.66 | Blue               | P24                    | 7                    | 24                | 1 1/8                   | 50             |
| LCCX6-14BF-L   |                     |                   |                     | 1/4                  | 0.75                    | 0.48                    | 1.07 | 0.08 | 1.78 | Blue               | P24                    | 7                    | 24                | 1 1/8                   | 50             |
| LCCX6-14DF-L   |                     |                   |                     | 1/4                  | 1.00                    | 0.48                    | 1.07 | 0.08 | 2.03 | Blue               | P24                    | 7                    | 24                | 1 1/8                   | 50             |
| LCCX6-38AF-L   | #4 AWG              | #5, #4, #3 AWG    | #4 AWG              | 3/8                  | 0.63                    | 0.62                    | 1.07 | 0.06 | 1.88 | Blue               | P24                    | 7                    | 24                | 1 1/8                   | 50             |
| LCCX6-38CF-L   |                     |                   |                     | 3/8                  | 0.88                    | 0.62                    | 1.07 | 0.06 | 2.13 | Blue               | P24                    | 7                    | 24                | 1 1/8                   | 50             |
| LCCX6-38DF-L   |                     |                   |                     | 3/8                  | 1.00                    | 0.62                    | 1.07 | 0.06 | 2.25 | Blue               | P24                    | 7                    | 24                | 1 1/8                   | 50             |
| LCCX4-14AF-L   |                     |                   |                     | 1/4                  | 0.63                    | 0.55                    | 1.05 | 0.09 | 1.74 | Gray               | P29                    | 8                    | 29                | 1 1/8                   | 50             |
| LCCX4-14BF-L   |                     |                   |                     | 1/4                  | 0.75                    | 0.55                    | 1.05 | 0.09 | 1.87 | Gray               | P29                    | 8                    | 29                | 1 1/8                   | 50             |
| LCCX4-38BF-L   | #2 AWG              | #2 AWG            | #2 AWG              | 3/8                  | 0.75                    | 0.62                    | 1.05 | 0.08 | 2.09 | Gray               | P29                    | 8                    | 29                | 1 1/8                   | 50             |
| LCCX4-38DF-L   |                     |                   |                     | 3/8                  | 1.00                    | 0.62                    | 1.05 | 0.08 | 2.34 | Gray               | P29                    | 8                    | 29                | 1 1/8                   | 50             |
| LCCX2-14AF-E   |                     |                   |                     | 1/4                  | 0.63                    | 0.70                    | 1.36 | 0.11 | 1.94 | Brown              | P33                    | 10                   | 33                | 1 7/16                  | 20             |
| LCCX2-14BF-E   | #1 AWG              | #1 AWG            | #1 AWG              | 1/4                  | 0.75                    | 0.70                    | 1.36 | 0.11 | 2.06 | Brown              | P33                    | 10                   | 33                | 1 7/16                  | 20             |
| LCCX2-38DF-E   |                     |                   |                     | 3/8                  | 1.00                    | 0.70                    | 1.36 | 0.11 | 2.51 | Brown              | P33                    | 10                   | 33                | 1 7/16                  | 20             |
| LCCX2-12F-E    |                     |                   |                     | 1/2                  | 1.75                    | 0.75                    | 1.36 | 0.09 | 3.68 | Brown              | P33                    | 10                   | 33                | 1 7/16                  | 20             |
| LCCX1-14AF-X   | #1 AWG              | #1 AWG            | #1 AWG              | 1/4                  | 0.63                    | 0.76                    | 1.44 | 0.12 | 2.08 | Green              | P37                    | 11                   | 37                | 1 1/2                   | 10             |
| LCCX1-14BF-X   |                     |                   |                     | 1/4                  | 0.75                    | 0.76                    | 1.44 | 0.12 | 2.20 | Green              | P37                    | 11                   | 37                | 1 1/2                   | 10             |
| LCCX1-14DF-X   |                     |                   |                     | 1/4                  | 1.00                    | 0.76                    | 1.44 | 0.12 | 2.45 | Green              | P37                    | 11                   | 37                | 1 1/2                   | 10             |
| LCCX1-56CF-X   |                     |                   |                     | 5/16                 | 0.88                    | 0.76                    | 1.44 | 0.12 | 2.38 | Green              | P37                    | 11                   | 37                | 1 1/2                   | 10             |
| LCCX1-56DF-X   |                     |                   |                     | 5/16                 | 1.00                    | 0.76                    | 1.44 | 0.12 | 2.51 | Green              | P37                    | 11                   | 37                | 1 1/2                   | 10             |
| LCCX1-38DF-X   | 1/0 AWG             | 1/0 AWG           | 1/0 AWG             | 3/8                  | 1.00                    | 0.76                    | 1.44 | 0.12 | 2.58 | Green              | P37                    | 11                   | 37                | 1 1/2                   | 10             |
| LCCX1/0-14AF-X |                     |                   |                     | 1/4                  | 0.63                    | 0.85                    | 1.50 | 0.13 | 2.22 | Pink               | P42                    | 12                   | 42                | 1 9/16                  | 10             |
| LCCX1/0-14BF-X |                     |                   |                     | 1/4                  | 0.75                    | 0.85                    | 1.50 | 0.13 | 2.34 | Pink               | P42                    | 12                   | 42                | 1 9/16                  | 10             |
| LCCX1/0-38DF-X |                     |                   |                     | 3/8                  | 1.00                    | 0.85                    | 1.50 | 0.13 | 2.66 | Pink               | P42                    | 12                   | 42                | 1 9/16                  | 10             |
| LCCX1/0-12F-X  |                     |                   |                     | 1/2                  | 1.75                    | 0.85                    | 1.50 | 0.13 | 3.82 | Pink               | P42                    | 12                   | 42                | 1 9/16                  | 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, Two-Hole, Long Barrel with Window Lug, 90° Angle (continued)

A. System Overview

| Part Number    | Flex Conductor Size |                   | Code Conductor Size | Stud Hole Size (In.) | Stud Hole Spacing (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    |                    |                        |                      |                   |                         |                |
| LCCX2/0-14AF-X | 2/0 AWG             | 2/0 AWG           | 2/0 AWG             | 1/4                  | 0.63                    | 0.96                    | 1.50 | 0.13 | 2.29 | Black              | P45                    | 13                   | 45                | 1 9/16                  | 10             |
| LCCX2/0-14BF-X |                     |                   |                     | 1/4                  | 0.75                    | 0.96                    | 1.50 | 0.13 | 2.42 | Black              | P45                    | 13                   | 45                | 1 9/16                  | 10             |
| LCCX2/0-38DF-X |                     |                   |                     | 3/8                  | 1.00                    | 0.96                    | 1.50 | 0.13 | 2.73 | Black              | P45                    | 13                   | 45                | 1 9/16                  | 10             |
| LCCX2/0-12F-X  |                     |                   |                     | 1/2                  | 1.75                    | 0.96                    | 1.50 | 0.13 | 3.89 | Black              | P45                    | 13                   | 45                | 1 9/16                  | 10             |
| LCCX3/0-14BF-X | 3/0 AWG             | 3/0 AWG           | 3/0 AWG             | 1/4                  | 0.75                    | 1.06                    | 1.56 | 0.14 | 2.50 | Orange             | P50                    | 14                   | 50                | 1 5/8                   | 10             |
| LCCX3/0-38DF-X |                     |                   |                     | 3/8                  | 1.00                    | 1.06                    | 1.56 | 0.14 | 2.84 | Orange             | P50                    | 14                   | 50                | 1 5/8                   | 10             |
| LCCX4/0-14BF-X | 4/0 AWG             | 4/0 AWG           | 4/0 AWG             | 1/4                  | 0.75                    | 1.19                    | 2.24 | 0.16 | 2.69 | Purple             | P54                    | 15                   | 54                | 2 5/16                  | 10             |
| LCCX4/0-38DF-X |                     |                   |                     | 3/8                  | 1.00                    | 1.19                    | 2.24 | 0.16 | 2.88 | Purple             | P54                    | 15                   | 54                | 2 5/16                  | 10             |
| LCCX4/0-12F-X  |                     |                   |                     | 1/2                  | 1.75                    | 1.19                    | 2.24 | 0.16 | 4.06 | Purple             | P54                    | 15                   | 54                | 2 5/16                  | 10             |
| LCCX250-14BF-X | 250 kcmil           | 262.6 kcmil       | —                   | 1/4                  | 0.75                    | 1.28                    | 2.24 | 0.17 | 2.46 | Yellow             | P62                    | 16                   | 62                | 2 5/16                  | 10             |
| LCCX250-38DF-X |                     |                   |                     | 3/8                  | 1.00                    | 1.28                    | 2.24 | 0.17 | 2.94 | Yellow             | P62                    | 16                   | 62                | 2 5/16                  | 10             |
| LCCX300-38DF-6 | 300 kcmil           | 313.1 kcmil       | —                   | 3/8                  | 1.00                    | 1.39                    | 2.30 | 0.18 | 3.02 | Red                | P71                    | 18                   | 71H               | 2 3/8                   | 6              |
| LCCX300-12F-6  |                     |                   |                     | 1/2                  | 1.75                    | 1.39                    | 2.30 | 0.18 | 3.95 | Red                | P71                    | 18                   | 71H               | 2 3/8                   | 6              |
| LCCX350-14BF-6 | 350 kcmil           | 373.7 kcmil       | —                   | 1/4                  | 0.75                    | 1.54                    | 2.50 | 0.22 | 2.65 | Blue               | P76                    | 19                   | 76H               | 2 9/16                  | 6              |
| LCCX350-38DF-6 |                     |                   |                     | 3/8                  | 1.00                    | 1.54                    | 2.50 | 0.22 | 3.13 | Blue               | P76                    | 19                   | 76H               | 2 9/16                  | 6              |
| LCCX350-12F-6  |                     |                   |                     | 1/2                  | 1.75                    | 1.54                    | 2.50 | 0.22 | 4.31 | Blue               | P76                    | 19                   | 76H               | 2 9/16                  | 6              |

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

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E1. Labeling Systems

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E5. Lockout/Tagout & Safety Solutions

F. Index

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

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

◆NEMA hole sizes and spacing.

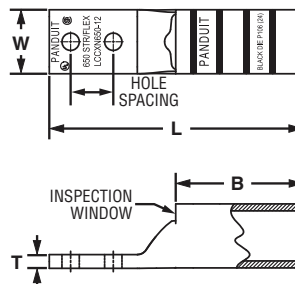


## Flex Conductor, Two-Hole, Long Barrel with Window, Narrow Tongue Lug

For use with Flexible and Extra-Flexible Stranded Copper Copper Conductors

- Narrow tongue width for limited space applications
- Can be used with 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
- Available with NEMA hole sizes and spacing



| Part Number     | Flex Conductor Size |                   | Stud Hole Size (In.) | Stud Hole Spacing (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    |                    |                        |                       |                    |                         |                |
| ◆ LCCXN450-12-6 | 450 kcmil           | 444.4 kcmil       | 1/2                  | 1.75                    | 1.19                    | 2.69 | 0.33 | 6.41 | Brown              | P87                    | 20                    | 87H                | 2 3/4                   | 6              |
| ◆ LCCXN500-12-6 | 500 kcmil           | 535.3 kcmil       | 1/2                  | 1.75                    | 1.30                    | 2.88 | 0.32 | 6.71 | Pink               | P99                    | L99                   | 99H                | 2 15/16                 | 6              |
| ◆ LCCXN650-12-6 | —                   | 646.4 kcmil       | 1/2                  | 1.75                    | 1.35                    | 2.94 | 0.36 | 6.78 | Black              | P106                   | 24                    | 106                | 3                       | 6              |

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

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

◆NEMA hole sizes and spacing.