

A. System Overview



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

B1. Cable Ties

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

Type LCDX-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
- Available with NEMA hole sizes and spacing

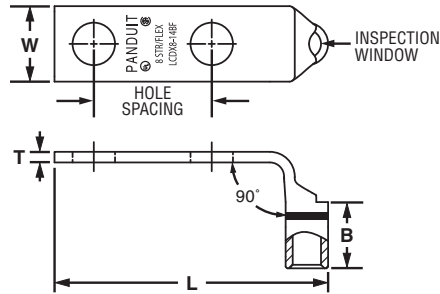
B3. Stainless Steel Ties

C1. Wiring Duct



C2. Surface Raceway

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C4. Cable Management

D1. Terminals

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D3. Grounding Connectors

E1. Labeling Systems

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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 | | | | | | |
| LCDX8-10AF-L | | | | #10 | .63 | .41 | .42 | .08 | 1.53 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCDX8-14AF-L | | | | 1/4 | .63 | .48 | .42 | .07 | 1.62 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCDX8-14BF-L | #8 AWG | #8 AWG | #8 AWG | 1/4 | .75 | .48 | .42 | .07 | 1.74 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCDX8-14DF-L | | | | 1/4 | 1.00 | .48 | .42 | .07 | 1.99 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCDX8-38DF-L | | | | 3/8 | 1.00 | .63 | .42 | .05 | 2.21 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCDX6-10AF-L | | | | #10 | .63 | .46 | .48 | .08 | 1.57 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-10BF-L | | | | #10 | .75 | .46 | .48 | .08 | 1.69 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-10GF-L | | | | #10 | 1.50 | .46 | .48 | .08 | 2.44 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-10PF-L | | | | #10 | .69 | .46 | .48 | .08 | 1.63 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-14AF-L | #6 AWG | #6 AWG | #6 AWG | 1/4 | .63 | .48 | .48 | .08 | 1.66 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-14BF-L | | | | 1/4 | .75 | .48 | .48 | .08 | 1.78 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-14DF-L | | | | 1/4 | 1.00 | .48 | .48 | .08 | 2.03 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-56DF-L | | | | 5/16 | 1.00 | .56 | .48 | .07 | 2.15 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-38DF-L | | | | 3/8 | 1.00 | .62 | .48 | .06 | 2.25 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX4-14AF-L | | | | 1/4 | .63 | .55 | .53 | .09 | 1.74 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCDX4-14BF-L | | | | 1/4 | .75 | .55 | .53 | .09 | 1.87 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCDX4-14DF-L | #4 AWG | #5, #4, #3 AWG | #4 AWG | 1/4 | 1.00 | .55 | .53 | .09 | 2.12 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCDX4-56DF-L | | | | 5/16 | 1.00 | .55 | .53 | .09 | 2.24 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCDX4-38DF-L | | | | 3/8 | 1.00 | .62 | .53 | .08 | 2.34 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCDX2-14AF-E* | | | | 1/4 | .63 | .70 | .59 | .11 | 1.94 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX2-14BF-E* | | | | 1/4 | .75 | .70 | .59 | .11 | 2.06 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX2-14DF-E* | | | | 1/4 | 1.00 | .70 | .59 | .11 | 2.31 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX2-56DF-E* | #2 AWG | #2 AWG | #2 AWG | 5/16 | 1.00 | .70 | .59 | .11 | 2.44 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX2-38DF-E* | | | | 3/8 | 1.00 | .70 | .59 | .11 | 2.51 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX2-12F-E* | | | | 1/2 | 1.75 | .75 | .59 | .09 | 3.68 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX1-14AF-X | | | | 1/4 | .63 | .76 | .66 | .12 | 2.08 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCDX1-14BF-X | | | | 1/4 | .75 | .76 | .66 | .12 | 2.20 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCDX1-14DF-X | | | | 1/4 | 1.00 | .76 | .66 | .12 | 2.45 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCDX1-56DF-X | #1 AWG | #1 AWG | #1 AWG | 5/16 | 1.00 | .76 | .66 | .12 | 2.51 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCDX1-38DF-X | | | | 3/8 | 1.00 | .76 | .66 | .12 | 2.58 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCDX1-12F-X | | | | 1/2 | 1.75 | .80 | .66 | .12 | 3.75 | Green | P37 | 11 | 37 | 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.

◆NEMA hole sizes and spacing.

PANDUIT® ELECTRICAL SOLUTIONS



Flex Conductor, Two-Hole, Standard Barrel with Window Lug, 90° Angle (continued)

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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.‡ | Burdny 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 | | | | | | |
| LCDX1/0-14AF-X | 1/0 AWG | 1/0 AWG | 1/0 AWG | 1/4 | .63 | .85 | .72 | .13 | 2.22 | Pink | P42 | 12 | 42 | 3/4 | 10 |
| LCDX1/0-14BF-X | | | | 1/4 | .75 | .85 | .72 | .13 | 2.34 | Pink | P42 | 12 | 42 | 3/4 | 10 |
| LCDX1/0-56BF-X | | | | 5/16 | .75 | .85 | .72 | .13 | 2.34 | Pink | P42 | 12 | 42 | 3/4 | 10 |
| LCDX1/0-56DF-X | | | | 5/16 | 1.00 | .85 | .72 | .13 | 2.59 | Pink | P42 | 12 | 42 | 3/4 | 10 |
| LCDX1/0-38DF-X | | | | 3/8 | 1.00 | .85 | .72 | .13 | 2.66 | Pink | P42 | 12 | 42 | 3/4 | 10 |
| LCDX1/0-12DF-X | | | | 1/2 | 1.00 | .85 | .72 | .13 | 2.91 | Pink | P42 | 12 | 42 | 3/4 | 10 |
| LCDX1/0-12F-X | | | | 1/2 | 1.75 | .85 | .72 | .13 | 3.82 | Pink | P42 | 12 | 42 | 3/4 | 10 |
| LCDX2/0-14AF-X | 2/0 AWG | 2/0 AWG | 2/0 AWG | 1/4 | .63 | .96 | .83 | .13 | 2.29 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCDX2/0-14BF-X | | | | 1/4 | .75 | .96 | .83 | .13 | 2.42 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCDX2/0-56DF-X | | | | 5/16 | 1.00 | .96 | .83 | .13 | 2.67 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCDX2/0-38DF-X | | | | 3/8 | 1.00 | .96 | .83 | .13 | 2.73 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCDX2/0-12DF-X | | | | 1/2 | 1.00 | .96 | .83 | .13 | 2.98 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCDX2/0-12F-X | | | | 1/2 | 1.75 | .96 | .83 | .13 | 3.89 | Black | P45 | 13 | 45 | 7/8 | 10 |
| LCDX3/0-14AF-X | 3/0 AWG | 3/0 AWG | 3/0 AWG | 1/4 | .63 | 1.06 | .91 | .14 | 2.38 | Orange | P50 | 14 | 50 | 1 | 10 |
| LCDX3/0-56DF-X | | | | 5/16 | 1.00 | 1.06 | .91 | .14 | 2.77 | Orange | P50 | 14 | 50 | 1 | 10 |
| LCDX3/0-38DF-X | | | | 3/8 | 1.00 | 1.06 | .91 | .14 | 2.84 | Orange | P50 | 14 | 50 | 1 | 10 |
| LCDX3/0-12F-X | | | | 1/2 | 1.75 | 1.06 | .91 | .14 | 3.98 | Orange | P50 | 14 | 50 | 1 | 10 |
| LCDX4/0-14AF-X | 4/0 AWG | 4/0 AWG | 4/0 AWG | 1/4 | .63 | 1.19 | 1.03 | .16 | 2.28 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCDX4/0-14BF-X | | | | 1/4 | .75 | 1.19 | 1.03 | .16 | 2.40 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCDX4/0-56DF-X | | | | 5/16 | 1.00 | 1.19 | 1.03 | .16 | 2.85 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCDX4/0-38DF-X | | | | 3/8 | 1.00 | 1.19 | 1.03 | .16 | 2.88 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCDX4/0-12DF-X | | | | 1/2 | 1.00 | 1.19 | 1.03 | .16 | 3.15 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCDX4/0-12EF-X | | | | 1/2 | 1.25 | 1.19 | 1.03 | .16 | 3.43 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCDX4/0-12F-X | 1/2 | 1.75 | 1.19 | 1.03 | .16 | 4.06 | Purple | P54 | 15 | 54 | 1 1/16 | 10 | | | |
| LCDX250-38DF-X | 250 kcmil | 262.6 kcmil | — | 3/8 | 1.00 | 1.28 | 1.03 | .17 | 2.94 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 |
| LCDX250-38F-X | | | | 3/8 | 1.75 | 1.28 | 1.03 | .17 | 3.69 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 |
| LCDX250-12EF-X | | | | 1/2 | 1.25 | 1.28 | 1.03 | .17 | 3.49 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 |
| LCDX250-12F-X | 1/2 | 1.75 | 1.28 | 1.03 | .17 | 4.12 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 | | | |
| LCDX300-38DF-6 | 300 kcmil | 313.1 kcmil | — | 3/8 | 1.00 | 1.39 | 1.19 | .18 | 3.02 | Red | P71 | 18 | 71H | 1 1/4 | 6 |
| LCDX300-12F-6 | | | | 1/2 | 1.75 | 1.39 | 1.19 | .18 | 4.20 | Red | P71 | 18 | 71H | 1 1/4 | 6 |
| LCDX350-56DF-6 | 350 kcmil | 373.7 kcmil | — | 5/16 | 1.00 | 1.54 | 1.29 | .22 | 3.10 | Blue | P76 | 19 | 76H | 1 3/8 | 6 |
| LCDX350-38DF-6 | | | | 3/8 | 1.00 | 1.54 | 1.29 | .22 | 3.13 | Blue | P76 | 19 | 76H | 1 3/8 | 6 |
| LCDX350-38F-6 | | | | 3/8 | 1.75 | 1.54 | 1.29 | .22 | 3.88 | Blue | P76 | 19 | 76H | 1 3/8 | 6 |
| LCDX350-12EF-6 | | | | 1/2 | 1.25 | 1.54 | 1.29 | .22 | 3.68 | Blue | P76 | 19 | 76H | 1 3/8 | 6 |
| LCDX350-12F-6 | 1/2 | 1.75 | 1.54 | 1.29 | .22 | 4.31 | Blue | P76 | 19 | 76H | 1 3/8 | 6 | | | |
| LCDX450-38DF-6 | 450 kcmil | 444.4 kcmil | — | 3/8 | 1.00 | 1.70 | 1.40 | .26 | 3.26 | Brown | P87 | 20 | 87H | 1 7/16 | 6 |
| LCDX450-12F-6 | | | | 1/2 | 1.75 | 1.70 | 1.40 | .26 | 4.44 | Brown | P87 | 20 | 87H | 1 7/16 | 6 |
| LCDX500-56DF-6 | 500 kcmil | 535.3 kcmil | — | 5/16 | 1.00 | 1.89 | 1.48 | .26 | 3.29 | Pink | P99 | L99 | 99H | 1 9/16 | 6 |
| LCDX500-38DF-6 | | | | 3/8 | 1.00 | 1.89 | 1.48 | .26 | 3.32 | Pink | P99 | L99 | 99H | 1 9/16 | 6 |
| LCDX500-12EF-6 | | | | 1/2 | 1.25 | 1.89 | 1.48 | .26 | 4.00 | Pink | P99 | L99 | 99H | 1 9/16 | 6 |
| LCDX500-12F-6 | 1/2 | 1.75 | 1.89 | 1.48 | .26 | 4.50 | Pink | P99 | L99 | 99H | 1 9/16 | 6 | | | |
| LCDX600-12F-6 | 600 kcmil | — | — | 1/2 | 1.75 | 1.89 | 1.48 | .26 | 4.50 | Pink | P99 | 400 | 99H | 1 9/16 | 6 |
| LCDX650-38DF-6 | — | 646.4 kcmil | — | 3/8 | 1.00 | 1.95 | 1.45 | .30 | 3.37 | Black | P106 | 24 | 106H | 1 1/2 | 6 |
| LCDX650-12F-6 | | | | 1/2 | 1.75 | 1.95 | 1.45 | .30 | 4.55 | Black | P106 | 24 | 106H | 1 1/2 | 6 |
| LCDX750-38DF-3 | — | 777.7 kcmil | — | 3/8 | 1.00 | 2.17 | 1.66 | .32 | 3.76 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 |
| LCDX750-12EF-3 | | | | 1/2 | 1.25 | 2.17 | 1.66 | .32 | 4.20 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 |
| LCDX750-12GF-3 | | | | 1/2 | 1.50 | 2.17 | 1.66 | .32 | 4.45 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 |
| LCDX750-12F-3 | | | | 1/2 | 1.75 | 2.17 | 1.66 | .32 | 4.70 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 |
| LCDX750-58GF-3 | | | | 5/8 | 1.50 | 2.17 | 1.66 | .32 | 4.45 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 |

‡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.