

A. System Overview



Flex Conductor, Two-Hole, Standard Barrel with Window Lug

B1. Cable Ties

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

Type LCDX

B2. Cable Accessories

- 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

C3. Abrasion Protection



C4. Cable Management

| 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 | | | | | | |
| LCDX8-10A-L | | | | #10 | .63 | .41 | .42 | .08 | 1.74 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCDX8-14A-L | | | | 1/4 | .63 | .48 | .42 | .07 | 1.83 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCDX8-14B-L | #8 AWG | #8 AWG | #8 AWG | 1/4 | .75 | .48 | .42 | .07 | 1.95 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCDX8-14D-L | | | | 1/4 | 1.00 | .48 | .42 | .07 | 2.20 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCDX8-38D-L | | | | 3/8 | 1.00 | .60 | .42 | .05 | 2.42 | Red | P21 | 49 | 21 | 1/2 | 50 |
| LCDX6-10A-L | | | | #10 | .63 | .46 | .48 | .08 | 1.82 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-10B-L | | | | #10 | .75 | .46 | .48 | .08 | 1.94 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-10G-L | | | | #10 | 1.50 | .46 | .48 | .08 | 2.69 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-10P-L | | | | #10 | .69 | .46 | .48 | .08 | 1.88 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-14A-L | #6 AWG | #6 AWG | #6 AWG | 1/4 | .63 | .48 | .48 | .08 | 1.91 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-14B-L | | | | 1/4 | .75 | .48 | .48 | .08 | 2.03 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-14D-L | | | | 1/4 | 1.00 | .48 | .48 | .08 | 2.28 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-56D-L | | | | 5/16 | 1.00 | .56 | .48 | .07 | 2.40 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX6-38D-L | | | | 3/8 | 1.00 | .62 | .48 | .06 | 2.50 | Blue | P24 | 7 | 24 | 9/16 | 50 |
| LCDX4-14A-L | | | | 1/4 | .63 | .55 | .53 | .09 | 1.98 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCDX4-14B-L | | | | 1/4 | .75 | .55 | .53 | .09 | 2.10 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCDX4-14D-L | #4 AWG | #5, #4, #3 AWG | #4 AWG | 1/4 | 1.00 | .55 | .53 | .09 | 2.35 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCDX4-56D-L | | | | 5/16 | 1.00 | .55 | .53 | .09 | 2.47 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCDX4-38D-L | | | | 3/8 | 1.00 | .62 | .53 | .08 | 2.57 | Gray | P29 | 8 | 29 | 5/8 | 50 |
| LCDX2-14A-E* | | | | 1/4 | .63 | .70 | .59 | .11 | 2.13 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX2-14B-E* | | | | 1/4 | .75 | .70 | .59 | .11 | 2.25 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX2-14D-E* | | | | 1/4 | 1.00 | .70 | .59 | .11 | 2.50 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX2-56D-E* | #2 AWG | #2 AWG | #2 AWG | 5/16 | 1.00 | .70 | .59 | .11 | 2.63 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX2-38D-E* | | | | 3/8 | 1.00 | .70 | .59 | .11 | 2.70 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX2-12-E* | | | | 1/2 | 1.75 | .75 | .59 | .09 | 3.87 | Brown | P33 | 10 | 33 | 11/16 | 20 |
| LCDX1-14A-X | | | | 1/4 | .63 | .76 | .66 | .12 | 2.29 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCDX1-14B-X | | | | 1/4 | .75 | .76 | .66 | .12 | 2.42 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCDX1-14D-X | | | | 1/4 | 1.00 | .76 | .66 | .12 | 2.67 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCDX1-56D-X | #1 AWG | #1 AWG | #1 AWG | 5/16 | 1.00 | .76 | .66 | .12 | 2.72 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCDX1-38D-X | | | | 3/8 | 1.00 | .76 | .66 | .12 | 2.80 | Green | P37 | 11 | 37 | 3/4 | 10 |
| LCDX1-12-X | | | | 1/2 | 1.75 | .80 | .66 | .12 | 3.97 | 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.

F. Index

PANDUIT® ELECTRICAL SOLUTIONS



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

| 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 | | | | | | | | | |
| LCDX1/0-14A-X | 1/0 AWG | 1/0 AWG | 1/0 AWG | 1/4 | .63 | .85 | .72 | .13 | 2.45 | Pink | P42 | 12 | 42 | 3/4 | 10 | | | |
| LCDX1/0-14B-X | | | | 1/4 | .75 | .85 | .72 | .13 | 2.57 | Pink | P42 | 12 | 42 | 3/4 | 10 | | | |
| LCDX1/0-56B-X | | | | 5/16 | .75 | .85 | .72 | .13 | 2.57 | Pink | P42 | 12 | 42 | 3/4 | 10 | | | |
| LCDX1/0-56D-X | | | | 5/16 | 1.00 | .85 | .72 | .13 | 2.82 | Pink | P42 | 12 | 42 | 3/4 | 10 | | | |
| LCDX1/0-38D-X | | | | 3/8 | 1.00 | .85 | .72 | .13 | 2.89 | Pink | P42 | 12 | 42 | 3/4 | 10 | | | |
| LCDX1/0-12D-X | | | | 1/2 | 1.00 | .85 | .72 | .13 | 3.14 | Pink | P42 | 12 | 42 | 3/4 | 10 | | | |
| LCDX1/0-12-X | | | | 1/2 | 1.75 | .85 | .72 | .13 | 4.05 | Pink | P42 | 12 | 42 | 3/4 | 10 | | | |
| LCDX2/0-14A-X | 2/0 AWG | 2/0 AWG | 2/0 AWG | 1/4 | .63 | .96 | .83 | .13 | 2.59 | Black | P45 | 13 | 45 | 7/8 | 10 | | | |
| LCDX2/0-14B-X | | | | 1/4 | .75 | .96 | .83 | .13 | 2.72 | Black | P45 | 13 | 45 | 7/8 | 10 | | | |
| LCDX2/0-56D-X | | | | 5/16 | 1.00 | .96 | .83 | .13 | 2.97 | Black | P45 | 13 | 45 | 7/8 | 10 | | | |
| LCDX2/0-38D-X | | | | 3/8 | 1.00 | .96 | .83 | .13 | 3.03 | Black | P45 | 13 | 45 | 7/8 | 10 | | | |
| LCDX2/0-12D-X | | | | 1/2 | 1.00 | .96 | .83 | .13 | 3.28 | Black | P45 | 13 | 45 | 7/8 | 10 | | | |
| LCDX2/0-12-X | | | | 1/2 | 1.75 | .96 | .83 | .13 | 4.19 | Black | P45 | 13 | 45 | 7/8 | 10 | | | |
| LCDX3/0-14A-X | | | | 3/0 AWG | 3/0 AWG | 3/0 AWG | 1/4 | .63 | 1.06 | .91 | .14 | 2.71 | Orange | P50 | 14 | 50 | 1 | 10 |
| LCDX3/0-56D-X | 5/16 | 1.00 | 1.06 | | | | .91 | .14 | 3.10 | Orange | P50 | 14 | 50 | 1 | 10 | | | |
| LCDX3/0-38D-X | 3/8 | 1.00 | 1.06 | | | | .91 | .14 | 3.17 | Orange | P50 | 14 | 50 | 1 | 10 | | | |
| LCDX3/0-12-X | 1/2 | 1.75 | 1.06 | | | | .91 | .14 | 4.31 | Orange | P50 | 14 | 50 | 1 | 10 | | | |
| LCDX4/0-14A-X | 4/0 AWG | 4/0 AWG | 4/0 AWG | | | | 1/4 | .63 | 1.19 | 1.03 | .16 | 2.74 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCDX4/0-14B-X | | | | | | | 1/4 | .75 | 1.19 | 1.03 | .16 | 2.96 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCDX4/0-56D-X | | | | | | | 5/16 | 1.00 | 1.19 | 1.03 | .16 | 3.31 | Purple | P54 | 15 | 54 | 1 1/16 | 10 |
| LCDX4/0-38D-X | | | | 3/8 | 1.00 | 1.19 | 1.03 | .16 | 3.34 | Purple | P54 | 15 | 54 | 1 1/16 | 10 | | | |
| LCDX4/0-12D-X | | | | 1/2 | 1.00 | 1.19 | 1.03 | .16 | 3.61 | Purple | P54 | 15 | 54 | 1 1/16 | 10 | | | |
| LCDX4/0-12E-X | | | | 1/2 | 1.25 | 1.19 | 1.03 | .16 | 3.89 | Purple | P54 | 15 | 54 | 1 1/16 | 10 | | | |
| LCDX4/0-12-X | | | | 1/2 | 1.75 | 1.19 | 1.03 | .16 | 4.52 | Purple | P54 | 15 | 54 | 1 1/16 | 10 | | | |
| LCDX250-38D-X | 250 kcmil | 262.6 kcmil | — | 3/8 | 1.00 | 1.28 | 1.03 | .17 | 3.38 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 | | | |
| LCDX250-38-X | | | | 3/8 | 1.75 | 1.28 | 1.03 | .17 | 4.13 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 | | | |
| LCDX250-12E-X | | | | 1/2 | 1.25 | 1.28 | 1.03 | .17 | 3.93 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 | | | |
| LCDX250-12-X | | | | 1/2 | 1.75 | 1.28 | 1.03 | .17 | 4.56 | Yellow | P62 | 16 | 62 | 1 1/16 | 10 | | | |
| LCDX300-38D-6 | 300 kcmil | 313.1 kcmil | — | 3/8 | 1.00 | 1.39 | 1.19 | .18 | 3.56 | Red | P71 | 18 | 71H | 1 1/4 | 6 | | | |
| LCDX300-12-6 | | | | 1/2 | 1.75 | 1.39 | 1.19 | .18 | 4.74 | Red | P71 | 18 | 71H | 1 1/4 | 6 | | | |
| LCDX350-56D-6 | 350 kcmil | 373.7 kcmil | — | 5/16 | 1.00 | 1.54 | 1.29 | .22 | 3.71 | Blue | P76 | 19 | 76H | 1 3/8 | 6 | | | |
| LCDX350-38D-6 | | | | 3/8 | 1.00 | 1.54 | 1.29 | .22 | 3.74 | Blue | P76 | 19 | 76H | 1 3/8 | 6 | | | |
| LCDX350-38-6 | | | | 3/8 | 1.75 | 1.54 | 1.29 | .22 | 4.49 | Blue | P76 | 19 | 76H | 1 3/8 | 6 | | | |
| LCDX350-12E-6 | | | | 1/2 | 1.25 | 1.54 | 1.29 | .22 | 4.29 | Blue | P76 | 19 | 76H | 1 3/8 | 6 | | | |
| LCDX350-12-6 | | | | 1/2 | 1.75 | 1.54 | 1.29 | .22 | 4.92 | Blue | P76 | 19 | 76H | 1 3/8 | 6 | | | |
| LCDX450-38D-6 | 450 kcmil | 444.4 kcmil | — | 3/8 | 1.00 | 1.70 | 1.40 | .26 | 3.90 | Brown | P87 | 20 | 87H | 1 7/16 | 6 | | | |
| LCDX450-12-6 | | | | 1/2 | 1.75 | 1.70 | 1.40 | .26 | 5.08 | Brown | P87 | 20 | 87H | 1 7/16 | 6 | | | |
| LCDX500-56D-6 | 500 kcmil | 535.3 kcmil | — | 5/16 | 1.00 | 1.89 | 1.48 | .26 | 4.05 | Pink | P99 | L99 | 99H | 1 9/16 | 6 | | | |
| LCDX500-38D-6 | | | | 3/8 | 1.00 | 1.89 | 1.48 | .26 | 4.08 | Pink | P99 | L99 | 99H | 1 9/16 | 6 | | | |
| LCDX500-12E-6 | | | | 1/2 | 1.25 | 1.89 | 1.48 | .26 | 4.76 | Pink | P99 | L99 | 99H | 1 9/16 | 6 | | | |
| LCDX500-12-6 | | | | 1/2 | 1.75 | 1.89 | 1.48 | .26 | 5.26 | Pink | P99 | L99 | 99H | 1 9/16 | 6 | | | |
| LCDX600-12-6 | 600 kcmil | — | — | 1/2 | 1.75 | 1.89 | 1.48 | .26 | 5.26 | Pink | P99 | 400 | 99H | 1 9/16 | 6 | | | |
| LCDX650-38D-6 | — | 646.4 kcmil | — | 3/8 | 1.00 | 1.95 | 1.45 | .30 | 4.08 | Black | P106 | 24 | 106H | 1 1/2 | 6 | | | |
| LCDX650-12-6 | | | | 1/2 | 1.75 | 1.95 | 1.45 | .30 | 5.26 | Black | P106 | 24 | 106H | 1 1/2 | 6 | | | |
| LCDX750-38D-3 | — | 777.7 kcmil | — | 3/8 | 1.00 | 2.17 | 1.66 | .32 | 4.62 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 | | | |
| LCDX750-12E-3 | | | | 1/2 | 1.25 | 2.17 | 1.66 | .32 | 5.06 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 | | | |
| LCDX750-12G-3 | | | | 1/2 | 1.50 | 2.17 | 1.66 | .32 | 5.31 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 | | | |
| LCDX750-12-3 | | | | 1/2 | 1.75 | 2.17 | 1.66 | .32 | 5.56 | Yellow | P115 | L115 | 115H | 1 3/4 | 3 | | | |
| LCDX750-58G-3 | | | | 5/8 | 1.50 | 2.17 | 1.66 | .32 | 5.37 | 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.

◆NEMA hole sizes and spacing.

A.
System Overview

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