

A.  
System  
Overview



## Flex Conductor, One-Hole, Long Barrel with Window Lug, 45° Angle

B1.  
Cable Ties

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

B2.  
Cable  
Accessories

### Type LCBX-H

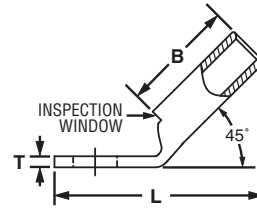
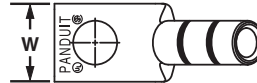
- Can be used with code conductor and flex conductor class: G, H, I, K, M and Diesel Locomotive
- Long barrel maximizes number of crimps and provides premium wire pull-out strength and electrical performance
- Generously beveled wire entry prevents bent back strands when inserting conductor into barrel
- 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

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.) | 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    |                    |                        |                       |                    |                         |                |
| LCBX8-10H-L   | #8 AWG              | #8 AWG            | #8 AWG              | #10                  | 0.41                    | 0.70 | 0.08 | 1.20 | Red                | P21                    | 49                    | 21                 | 3/4                     | 50             |
| LCBX8-14H-L   |                     |                   |                     | 1/4                  | 0.48                    | 0.70 | 0.07 | 1.28 | Red                | P21                    | 49                    | 21                 | 3/4                     | 50             |
| LCBX8-38H-L   |                     |                   |                     | 3/8                  | 0.60                    | 0.70 | 0.05 | 1.49 | Red                | P21                    | 49                    | 21                 | 3/4                     | 50             |
| LCBX6-14H-L   | #6 AWG              | #6 AWG            | #6 AWG              | 1/4                  | 0.48                    | 1.07 | 0.08 | 1.56 | Blue               | P24                    | 7                     | 24                 | 1 1/8                   | 50             |
| LCBX6-38H-L   |                     |                   |                     | 3/8                  | 0.62                    | 1.07 | 0.06 | 1.77 | Blue               | P24                    | 7                     | 24                 | 1 1/8                   | 50             |
| LCBX4-14H-L   | #4 AWG              | #5, #4, #3 AWG    | #4 AWG              | 1/4                  | 0.55                    | 1.05 | 0.09 | 1.57 | Gray               | P29                    | 8                     | 29                 | 1 1/8                   | 50             |
| LCBX4-38H-L   |                     |                   |                     | 3/8                  | 0.62                    | 1.05 | 0.07 | 1.78 | Gray               | P29                    | 8                     | 29                 | 1 1/8                   | 50             |
| LCBX2-14H-E*  | #2 AWG              | #2 AWG            | #2 AWG              | 1/4                  | 0.70                    | 1.36 | 0.11 | 1.83 | Brown              | P33                    | 10                    | 33                 | 1 7/16                  | 20             |
| LCBX2-38H-E*  |                     |                   |                     | 3/8                  | 0.70                    | 1.36 | 0.11 | 2.03 | Brown              | P33                    | 10                    | 33                 | 1 7/16                  | 20             |
| LCBX2-12H-E*  | #1 AWG              | #1 AWG            | #1 AWG              | 1/2                  | 0.75                    | 1.36 | 0.09 | 2.26 | Brown              | P33                    | 10                    | 33                 | 1 7/16                  | 20             |
| LCBX1-14H-X   |                     |                   |                     | 1/4                  | 0.76                    | 1.44 | 0.12 | 1.98 | Green              | P37                    | 11                    | 37                 | 1 1/2                   | 10             |
| LCBX1-56H-X   | #1 AWG              | #1 AWG            | #1 AWG              | 5/16                 | 0.76                    | 1.44 | 0.12 | 2.04 | Green              | P37                    | 11                    | 37                 | 1 1/2                   | 10             |
| LCBX1-38H-X   |                     |                   |                     | 3/8                  | 0.76                    | 1.44 | 0.12 | 2.11 | Green              | P37                    | 11                    | 37                 | 1 1/2                   | 10             |
| LCBX1/0-14H-X | 1/0 AWG             | 1/0 AWG           | 1/0 AWG             | 1/4                  | 0.85                    | 1.50 | 0.13 | 2.13 | Pink               | P42                    | 12                    | 42                 | 1 9/16                  | 10             |
| LCBX1/0-38H-X |                     |                   |                     | 3/8                  | 0.85                    | 1.50 | 0.13 | 2.20 | Pink               | P42                    | 12                    | 42                 | 1 9/16                  | 10             |
| LCBX1/0-12H-X |                     |                   |                     | 1/2                  | 0.85                    | 1.50 | 0.13 | 2.45 | Pink               | P42                    | 12                    | 42                 | 1 9/16                  | 10             |
| LCBX2/0-14H-X | 2/0 AWG             | 2/0 AWG           | 2/0 AWG             | 1/4                  | 0.96                    | 1.50 | 0.13 | 2.16 | Black              | P45                    | 13                    | 45                 | 1 9/16                  | 10             |
| LCBX2/0-38H-X |                     |                   |                     | 3/8                  | 0.96                    | 1.50 | 0.13 | 2.22 | Black              | P45                    | 13                    | 45                 | 1 9/16                  | 10             |
| LCBX2/0-12H-X |                     |                   |                     | 1/2                  | 0.96                    | 1.50 | 0.13 | 2.47 | Black              | P45                    | 13                    | 45                 | 1 9/16                  | 10             |
| LCBX3/0-38H-X | 3/0 AWG             | 3/0 AWG           | 3/0 AWG             | 3/8                  | 1.06                    | 1.56 | 0.14 | 2.31 | Orange             | P50                    | 14                    | 50                 | 1 5/8                   | 10             |
| LCBX4/0-38H-X | 4/0 AWG             | 4/0 AWG           | 4/0 AWG             | 3/8                  | 1.19                    | 2.24 | 0.16 | 3.12 | Purple             | P54                    | 15                    | 54                 | 2 5/16                  | 10             |
| LCBX4/0-12H-X |                     |                   |                     | 1/2                  | 1.19                    | 2.24 | 0.16 | 3.23 | Purple             | P54                    | 15                    | 54                 | 2 5/16                  | 10             |
| LCBX250-38H-X | 250 kcmil           | 262.6 kcmil       | —                   | 3/8                  | 1.28                    | 2.24 | 0.17 | 3.15 | Yellow             | P62                    | 16                    | 62                 | 2 5/16                  | 10             |
| LCBX300-38H-6 | 300 kcmil           | 313.1 kcmil       | —                   | 3/8                  | 1.39                    | 2.30 | 0.18 | 3.42 | Red                | P71                    | 18                    | 71H                | 2 3/8                   | 6              |
| LCBX300-12H-6 |                     |                   |                     | 1/2                  | 1.39                    | 2.30 | 0.18 | 3.69 | Red                | P71                    | 18                    | 71H                | 2 3/8                   | 6              |
| LCBX350-38H-6 | 350 kcmil           | 373.7 kcmil       | —                   | 3/8                  | 1.54                    | 2.50 | 0.22 | 3.48 | Blue               | P76                    | 19                    | 76H                | 2 9/16                  | 6              |
| LCBX350-12H-6 |                     |                   |                     | 1/2                  | 1.54                    | 2.50 | 0.22 | 3.64 | Blue               | P76                    | 19                    | 76H                | 2 9/16                  | 6              |
| LCBX450-38H-6 | 450 kcmil           | 444.4 kcmil       | —                   | 3/8                  | 1.70                    | 2.69 | 0.26 | 4.42 | Brown              | P87                    | 20                    | 87H                | 2 3/4                   | 6              |
| LCBX500-38H-6 | 500 kcmil           | 535.3 kcmil       | —                   | 3/8                  | 1.89                    | 2.88 | 0.26 | 4.08 | Pink               | P99                    | L99                   | 99H                | 2 15/16                 | 6              |
| LCBX500-12H-6 |                     |                   |                     | 1/2                  | 1.89                    | 2.88 | 0.26 | 4.27 | Pink               | P99                    | L99                   | 99H                | 2 15/16                 | 6              |

†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.