

|                                                      |                                                                                                                                                            |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material                                             | High Conductivity<br>Seamless Copper Tube                                                                                                                  |
| Plating                                              | Electro-Tin                                                                                                                                                |
| Wire Size                                            | 6 AWG                                                                                                                                                      |
| Wire Type                                            | Stranded Copper; Class B:<br>Compact, Compressed or<br>Concentric, Class C: Concentric                                                                     |
| Wire Strip Length                                    | 9/16 in.                                                                                                                                                   |
| Stud Size                                            | 3/8 in.                                                                                                                                                    |
| UL Listed Wire<br>Connector                          | Yes, for applications up to 35kv.<br>Consult cable manufacturer for<br>voltage stress relief instructions<br>with applications greater than<br>2000 volts. |
| UL Temperature<br>Rating                             | 90° C                                                                                                                                                      |
| C.S.A Certified<br>Wire Connector                    | Yes                                                                                                                                                        |
| Panduit Color Code<br>on Barrel                      | BLUE                                                                                                                                                       |
| Panduit Die Index No.<br>on Barrel                   | P24                                                                                                                                                        |
| Alternate Industry<br>Die Index No. ( )<br>on Barrel | (7)                                                                                                                                                        |



Technical drawing of a Panduit LCAS6-38 connector, showing front and side views with dimensions and labels.

**Front View (Top):**

- Overall width:  $.62 \pm .04$
- Overall length:  $1.50 \pm .06$
- Distance from left face to center of circular feature:  $.36 \pm .04$
- Radius of circular feature:  $.48 \text{ R Ref}$
- Text on the circular feature: "PANDUIT" (top), "6 STR CU" (left), "LCAS6-38" (right), and "BLUE DIE P24 (7)" (bottom).
- Color coded barrel markings: Two blue vertical bars on the right side.

**Side View (Bottom):**

- Wire inspection window: Indicated by a dashed line.
- Distance from left face to the start of the wire entry:  $.06 \pm .01$
- Distance from the start of the wire entry to the beveled wire entry:  $.48 \pm .04$
- Beveled wire entry: Indicated by a dashed line.
- Distance from the beveled wire entry to the right face:  $.22 \pm .01$
- Distance from the beveled wire entry to the right face (total):  $.31 \pm .01$

|            |             |           |            |                                |            |                                                                                                                                  |                                               |
|------------|-------------|-----------|------------|--------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|            |             |           |            |                                |            |  <b>PANDUIT CORP.</b> TINLEY PARK, ILLINOIS |                                               |
|            |             |           |            |                                |            | LCAS6-38-L<br>Copper Lug - One-Hole, Short Barrel                                                                                |                                               |
| 02         | 4/07        | DRL       | DRL        | REMOVED NAVY NUMBER FROM STAMP | PC00720    |                                                                                                                                  |                                               |
| <b>REV</b> | <b>DATE</b> | <b>BY</b> | <b>CHK</b> | <b>DESCRIPTION</b>             | <b>ECN</b> | <b>SCALE</b><br>N/A                                                                                                              | <b>DRAWING NO / CAD FILE</b><br>LCAS6-38-CUST |