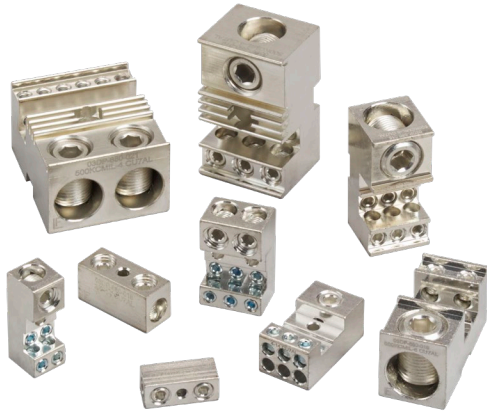


# Miscellaneous Accessories

## WIRE CONNECTOR LUG ASSEMBLY

600 V



### Description

Wire connector lug assemblies offer a safe, convenient way of splicing cables, providing a fixed junction tap-off point or splitting primary power into secondary circuits.

### Applications

- HVAC/R
- Elevator systems
- Material handling equipment
- Control panels
- Motor controls
- Switchgear
- Applications where power needs to be distributed to more than one load

### Specifications

**Voltage Range**  
**Current Rating**

600 V  
Based on NEC Table 310.16, using 75 °C copper wire

**Connector**

Aluminum: highly conductive aluminum, tin plated

**Approvals**

**Environmental**  
**Country of Origin**

cULus listed (File: E502265)  
RoHS Compliant  
China

### Connectors

Box lug connectors are designed for use with a single or multiple, solid or class B or C stranded conductor. For UL approved use of more than one conductor per connector opening, contact Littelfuse Technical Service. Manufacturers of cable terminations can furnish crimp-on sleeves for fine stranded conductors which permit these conductors to be used with box lugs.

### Ampere Ratings

The wire connector lug assembly ampere rating is based on the line ampacity of 75 °C insulated conductors per NEC\* Table 310.16. If 60 °C insulated conductors are used, load must not exceed the ampacity of 60 °C conductors. Use of conductors rated in excess of 75 °C is permitted (for example 90 °C), however, load must not exceed the ampacity of 75 °C conductors.

### Web Resources

For dimension, CAD visit: [Littelfuse.com/WCL](http://Littelfuse.com/WCL)

### Ordering Information

| Ordering Number | AMPERE RATING |          | LINE CONNECTION |                 | LOAD CONNECTION |            | FASTENER |
|-----------------|---------------|----------|-----------------|-----------------|-----------------|------------|----------|
|                 | COPPER        | ALUMINUM | OPENINGS        | WIRE RANGE      | OPENINGS        | WIRE RANGE |          |
| WCL001          | 115 A         | 90 A     | 1               | 2-14 AWG        | 1               | 2-14 AWG   | M4 (#8)  |
| WCL002          | 115 A         | 90 A     | 1               | 2-14 AWG        | 4               | 10-18 AWG  | M4 (#8)  |
| WCL003          | 380 A         | 310 A    | 1               | 500 MCM - 6 AWG | 6               | 2-14 AWG   | M5 (#10) |
| WCL004          | 380 A         | 310 A    | 1               | 500 MCM - 6 AWG | 4               | 2-14 AWG   | M5 (#10) |
| WCL005          | 350 A         | 270 A    | 2               | 2/0-14 AWG      | 6               | 4-14 AWG   | M5 (#10) |
| WCL006          | 175 A         | 135 A    | 1               | 2/0-14 AWG      | 1               | 2/0-14 AWG | M5 (#10) |
| WCL007          | 380 A         | 310 A    | 1               | 500 MCM-4 AWG   | 6               | 2/0-14 AWG | M6 (1/4) |
| WCL008          | 380 A         | 310 A    | 1               | 500 MCM-4 AWG   | 12              | 2-14 AWG   | M6 (1/4) |
| WCL009          | 760 A         | 620 A    | 2               | 500 MCM-4 AWG   | 12              | 4-14 AWG   | M6 (1/4) |
| WCL010          | 760 A         | 620 A    | 2               | 500 MCM-4 AWG   | 8               | 2/0-14 AWG | M6 (1/4) |
| WCL011          | 175 A         | 135 A    | 1               | 2/0-14 AWG      | 4               | 4-14 AWG   | M5 (#10) |
| WCL012          | 175 A         | 135 A    | 1               | 2/0-14 AWG      | 6               | 4-14 AWG   | M5 (#10) |

\*NEC is a trademark of its respective owner.

# Miscellaneous Accessories

## WIRE CONNECTOR LUG ASSEMBLY

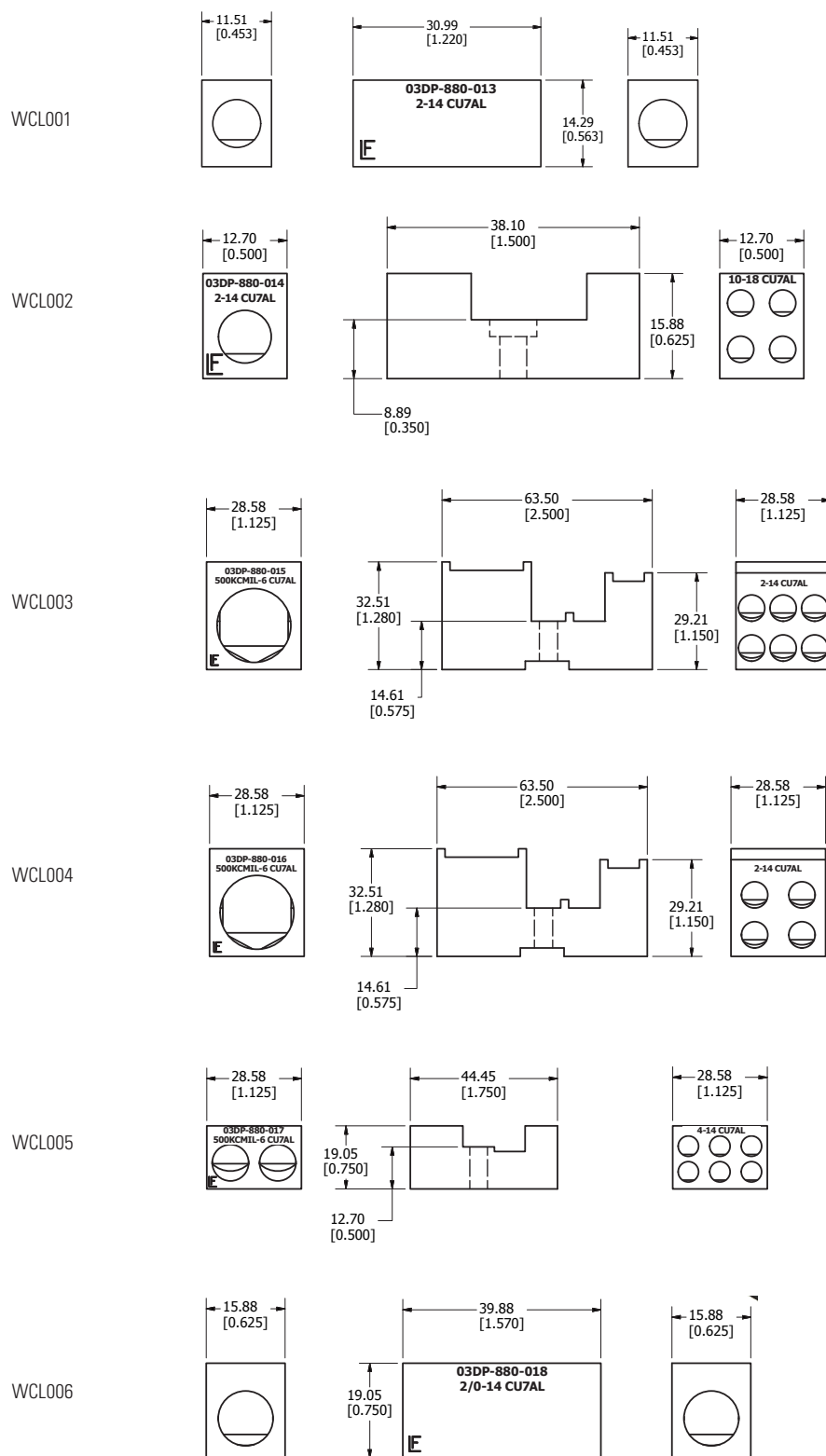
### Wire Specification and Torque Table

| Ordering Number | LINE CONNECTION                                                                     |                |                       | LOAD CONNECTION                                                                      |            |                       |
|-----------------|-------------------------------------------------------------------------------------|----------------|-----------------------|--------------------------------------------------------------------------------------|------------|-----------------------|
|                 | CONNECTOR IMAGE                                                                     | WIRE RANGE     | TORQUE RANGE          | CONNECTOR IMAGE                                                                      | WIRE RANGE | TORQUE RANGE          |
| WCL001          |    | 2-6 AWG        | 5.6 N-m (50 IN-LBS)   |    | 2-6AWG     | 5.6 N-m (50 IN-LBS)   |
|                 |                                                                                     | 8-14 AWG       | 4.5N-m (40 IN-LBS)    |                                                                                      | 8-14 AWG   | 4.5 N-m (40 IN-LBS)   |
| WCL002          |    | 2-6 AWG        | 5.6 N-m (50 IN-LBS)   |    | 10-16 AWG  | 0.8 N-m (7 IN-LBS)    |
|                 |                                                                                     | 8-14 AWG       | 4.5N-m (40 IN-LBS)    |                                                                                      | 18 AWG     | 0.6 N-m (5 IN-LBS)    |
| WCL003          |    | 500MCM - 6 AWG | 42.4 N-m (375 IN-LBS) |    | 2-16 AWG   | 5.6 N-m (50 IN-LBS)   |
| WCL004          |    | 500MCM - 6 AWG | 42.4 N-m (375 IN-LBS) |    | 8-14 AWG   | 4.5 N-m (40 IN-LBS)   |
|                 |                                                                                     |                |                       |                                                                                      | 2-16 AWG   | 5.6 N-m (50 IN-LBS)   |
| WCL005          |    | 2/0-6 AWG      | 13.6 N-m (120 IN-LBS) |    | 4-14 AWG   | 4.0 N-m (35 IN-LBS)   |
|                 |                                                                                     | 8-14 AWG       | 4.5 N-m (40 IN-LBS)   |                                                                                      |            |                       |
| WCL006          |    | 2/0-6 AWG      | 13.6 N-m (120 IN-LBS) |    | 2/0-6 AWG  | 13.6 N-m (120 IN-LBS) |
|                 |                                                                                     | 8-14 AWG       | 4.5 N-m (40 IN-LBS)   |                                                                                      | 8-14 AWG   | 4.5 N-m (40 IN-LBS)   |
| WCL007          |    | 500MCM-4 AWG   | 42.4 N-m (375 IN-LBS) |    | 2/0-6 AWG  | 13.6 N-m (120 IN-LBS) |
|                 |                                                                                     |                |                       |                                                                                      | 8-14 AWG   | 4.5 N-m (40 IN-LBS)   |
| WCL008          |    | 500MCM-4 AWG   | 42.4 N-m (375 IN-LBS) |    | 2-6 AWG    | 5.6 N-m (50 IN-LBS)   |
|                 |                                                                                     |                |                       |                                                                                      | 8-14 AWG   | 4.5 N-m (40 IN-LBS)   |
| WCL009          |   | 500MCM-4 AWG   | 42.4 N-m (375 IN-LBS) |   | 4-14 AWG   | 4 N-m (35 IN-LBS)     |
| WCL010          |  | 500MCM-4 AWG   | 42.4 N-m (375 IN-LBS) |  | 2/0-6 AWG  | 13.6 N-m (120 IN-LBS) |
|                 |                                                                                     |                |                       |                                                                                      | 8-14 AWG   | 4.5 N-m (40 IN-LBS)   |
| WCL011          |  | 2/0-6 AWG      | 13.6 N-m (120 IN-LBS) |  | 4-14 AWG   | 4 N-m (35 IN-LBS)     |
|                 |                                                                                     | 8-14 AWG       | 4.5 N-m (40 IN-LBS)   |                                                                                      |            |                       |
| WCL012          |  | 2/0-6 AWG      | 13.6 N-m (120 IN-LBS) |  | 4-14 AWG   | 4 N-m (35 IN-LBS)     |
|                 |                                                                                     | 8-14 AWG       | 4.5 N-m (40 IN-LBS)   |                                                                                      |            |                       |

# Miscellaneous Accessories

## WIRE CONNECTOR LUG ASSEMBLY

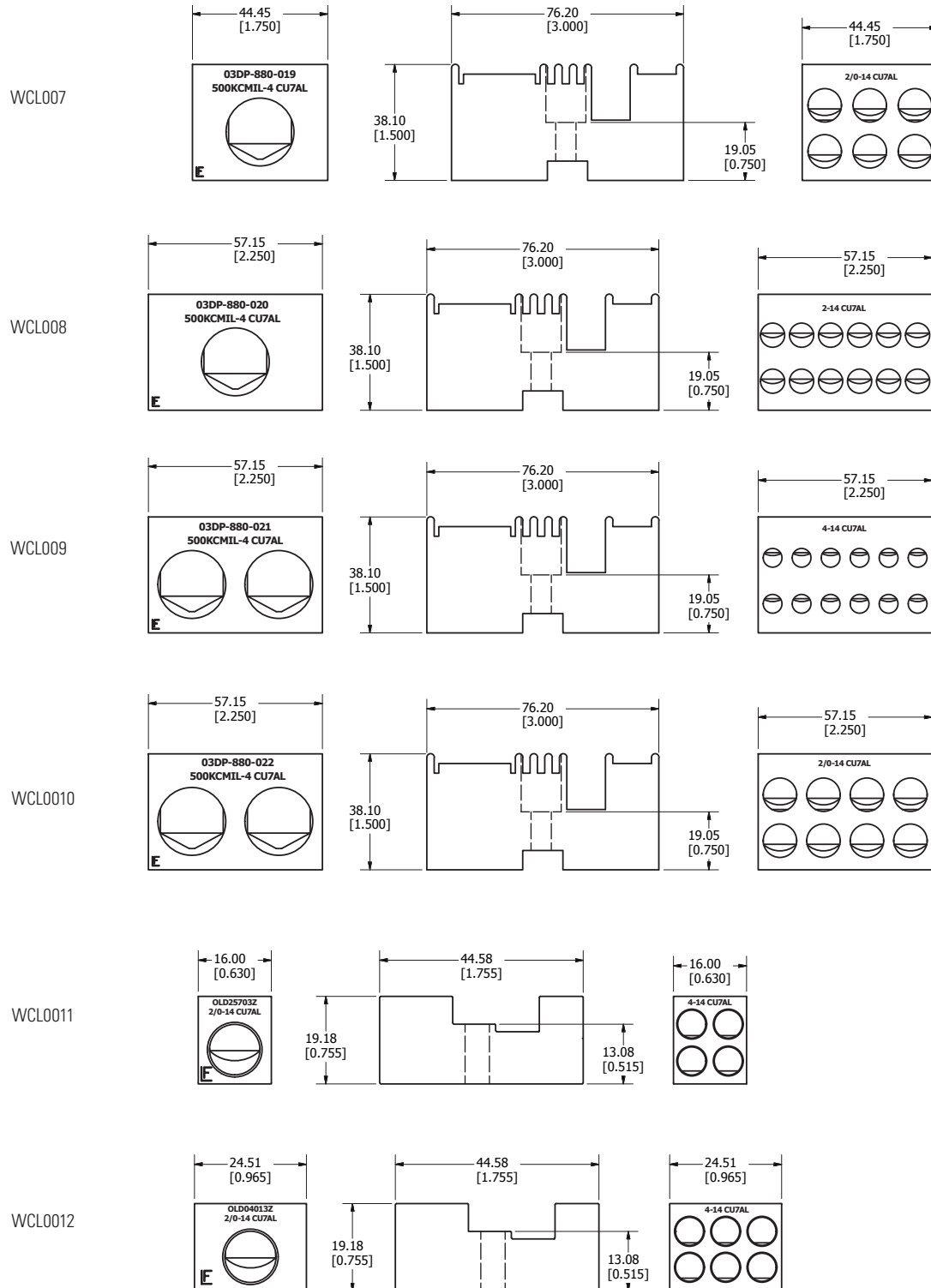
### Dimensions mm (in)



# Miscellaneous Accessories

## WIRE CONNECTOR LUG ASSEMBLY

### Dimensions mm (in)



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