

# 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

<b>Voltage Range</b>	600 V
<b>Current Rating</b>	Based on NEC Table 310.16, using 75 °C copper wire
<b>Connector</b>	Aluminum: highly conductive aluminum, tin plated
<b>Approvals</b>	cULus listed (File: E502265)
<b>Environmental</b>	RoHS Compliant
<b>Country of Origin</b>	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.

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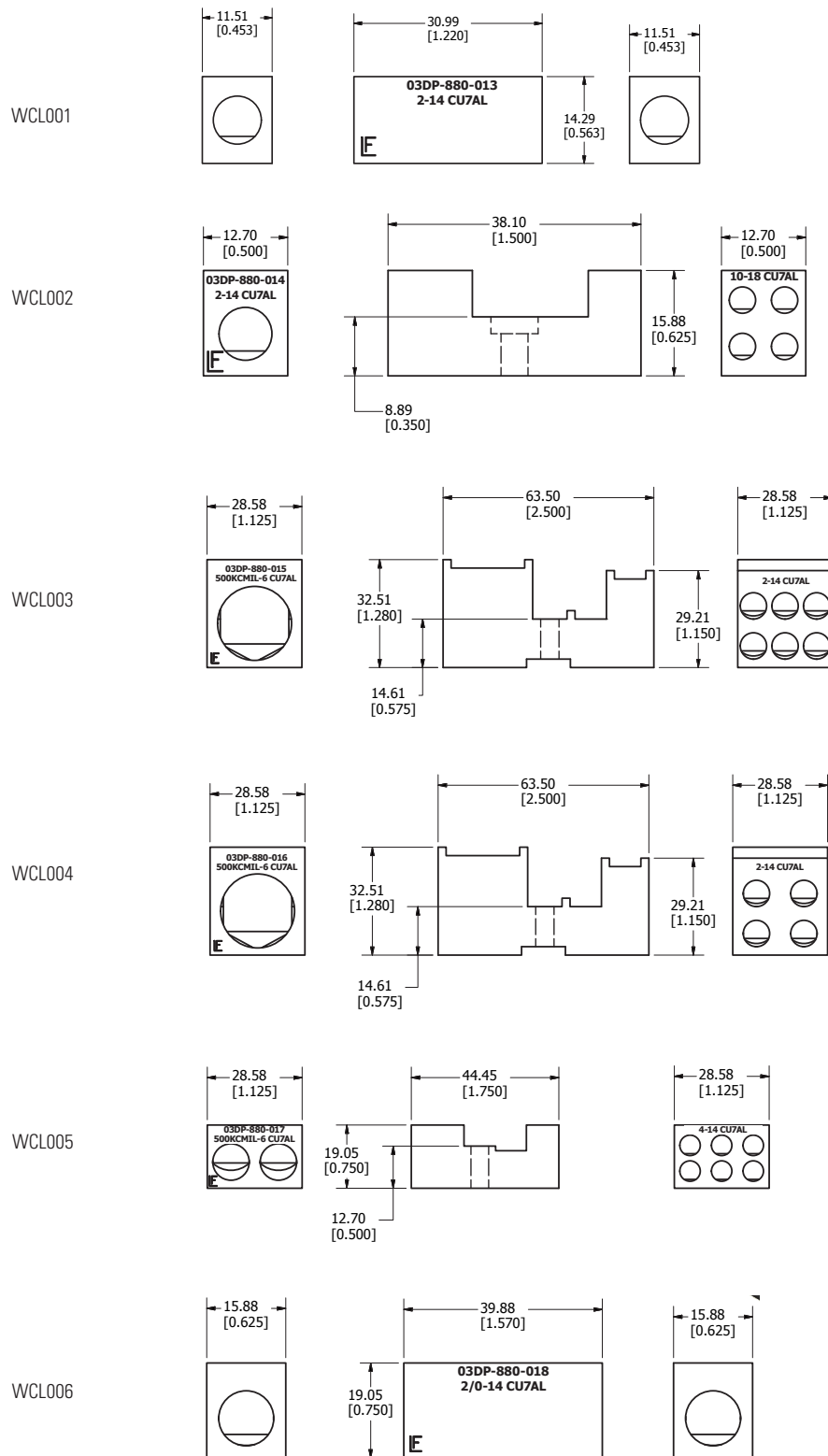
### Wire Specification and Torque Table

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)			

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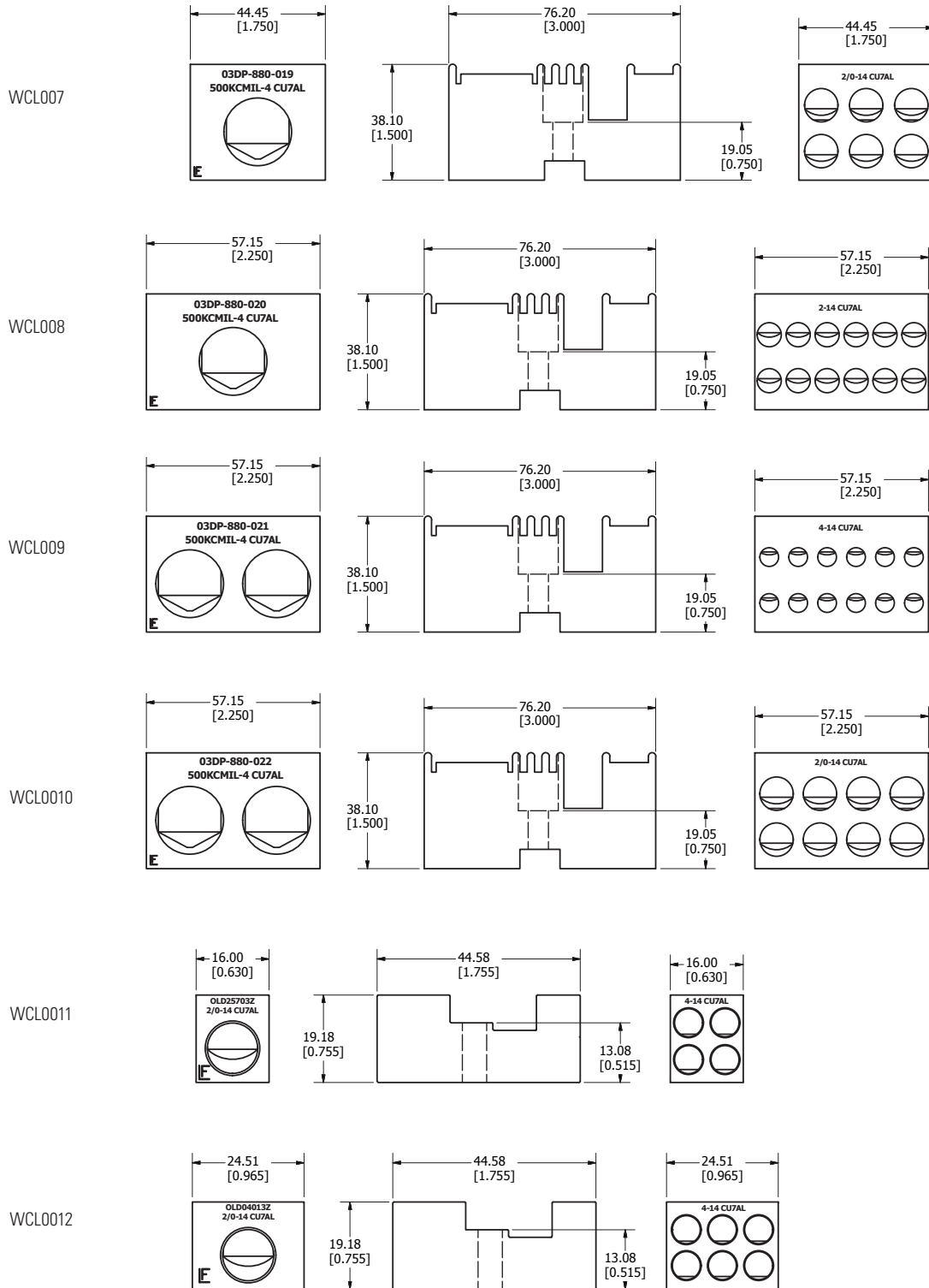
### Dimensions mm (in)



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### Dimensions mm (in)



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