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

Connector

Approvals Environmental Country of Origin 600 V Based on NEC Table 310.16, using 75 °C copper wire Aluminum: highly conductive aluminum, tin plated cULus listed (File: E502265) RoHS Compliant China

c(UL)us RoHS

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

Ordering Information

Ordering Number	AMPERE RATING		LINE CONNECTION		LOAD CONNECTION		FACTENED
	COPPER	ALUMINUM	OPENINGS	WIRE RANGE	OPENINGS	WIRE RANGE	FASTENER
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.

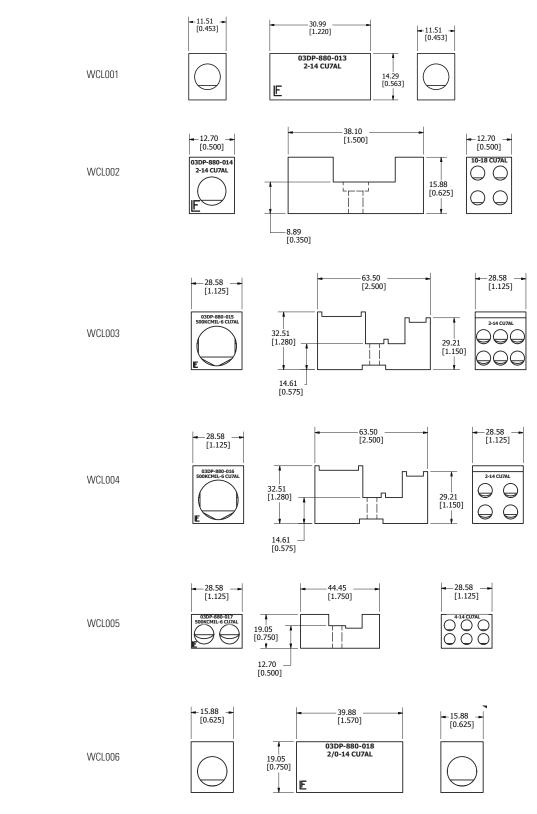


Wire Specification and Torque Table

Ordenine Number		LINE CONNECTION		LOAD CONNECTION		
Ordering Number	CONNECTOR IMAGE	WIRE RANGE	TORQUE RANGE	CONNECTOR IMAGE	WIRE RANGE	TORQUE RANGE
WCL001	Ō	2-6 AWG	5.6 N-m (50 IN-LBS)		2-6AWG	5.6 N-m (50 IN-LBS)
WULUUT		8-14 AWG	4.5N-m (40 IN-LBS)	O	8-14 AWG	4.5 N-m (40 IN-LBS)
W/CI 002	ō	2-6 AWG	5.6 N-m (50 IN-LBS)		10-16 AWG	0.8 N-m (7 IN-LBS)
WCL002		8-14 AWG	4.5N-m (40 IN-LBS)	00	18 AWG	0.6 N-m (5 IN-LBS)
W/0L000	Ō	500MCM - 6 AWG	42.4 N-m (375 IN-LBS)	000	2-16 AWG	5.6 N-m (50 IN-LBS)
WCL003					8-14 AWG	4.5 N-m (40 IN-LBS)
14/01/00/1	Ō	500MCM - 6 AWG	42.4 N-m (375 IN-LBS)	00	2-16 AWG	5.6 N-m (50 IN-LBS)
WCL004					8-14 AWG	4.5 N-m (40 IN-LBS)
W/0L005	00	2/0-6 AWG	13.6 N-m (120 IN-LBS)	000	4-14 AWG	4.0 N-m (35 IN-LBS)
WCL005		8-14 AWG	4.5 N-m (40 IN-LBS)			
W/0L000	Ō	2/0-6 AWG	13.6 N-m (120 IN-LBS)	Ō	2/0-6 AWG	13.6 N-m (120 IN-LBS)
WCL006		8-14 AWG	4.5 N-m (40 IN-LBS)		8-14 AWG	4.5 N-m (40 IN-LBS)
14/01 007		500MCM-4 AWG	42.4 N-m (375 IN-LBS)	000	2/0-6 AWG	13.6 N-m (120 IN-LBS)
WCL007	Ð				8-14 AWG	4.5 N-m (40 IN-LBS)
WCL008	Ō	500MCM-4 AWG	42.4 N-m (375 IN-LBS)	000000	2-6 AWG	5.6 N-m (50 IN-LBS)
VVGL008					8-14 AWG	4.5 N-m (40 IN-LBS)
WCL009	00	500MCM-4 AWG	42.4 N-m (375 IN-LBS)	000000	4-14 AWG	4 N-m (35 IN-LBS)
14/01 040	00	500MCM-4 AWG	42.4 N-m (375 IN-LBS)	0000	2/0-6 AWG	13.6 N-m (120 IN-LBS)
WCL010					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)
WCLUTT		8-14 AWG	4.5 N-m (40 IN-LBS)	00		
WCI 012		2/0-6 AWG	13.6 N-m (120 IN-LBS)		4-14 AWG	4 N (25 IN L D2)
WCL012	Ō	8-14 AWG	4.5 N-m (40 IN-LBS)	000		4 N-m (35 IN-LBS)



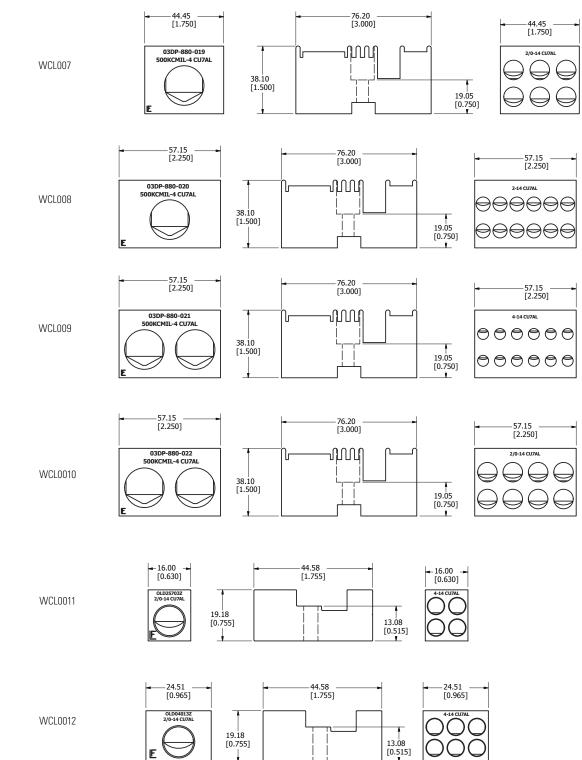
Dimensions mm (in)





Miscellaneous Accessories WIRE CONNECTOR LUG ASSEMBLY

Dimensions mm (in)



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