

Copper mechanical connectors

Type L, Type TL and Type S



- Cat. nos. L400 and L650 cast from high-strength bronze alloy
- Cat. nos. L35, L70, L125 and L250 cold forged from pure electrolytic copper with 99% conductivity

Type L – Single-conductor, one-hole mount



Diagrams	Cat. no.		Conductor range (AWG or kcmil)				Dimensions (in.)					
	Socket	Hex	Max.	Min.	L	W	H	F	D	J	E	G
	L35*	–	8 Str.	14 Sol.	1 ³ / ₁₆	3/ ₈	3/ ₈	3/ ₃₂	1 ³ / ₆₄	1 ¹ / ₆₄	1 ³ / ₆₄	1/2
	L70*	–	4 Str.	14 Sol.	1 ¹ / ₈	1 ⁷ / ₃₂	3 ⁵ / ₆₄	3/ ₃₂	9/ ₃₂	9/ ₃₂	9/ ₃₂	2 ¹ / ₃₂
	L125BB	L125H	1/0 Str.	8 Sol.	1 ¹ / ₂	4 ⁷ / ₆₄	3/ ₄	3/ ₃₂	3/ ₈	2 ⁷ / ₆₄	2 ¹ / ₆₄	2 ⁷ / ₃₂
	L250	L250H	250	6 Str.	1 ⁶ / ₁₆	1 ⁵ / ₁₆	1 ¹ / ₁₆	1/ ₈	2 ⁹ / ₆₄	5/ ₈	1 ³ / ₃₂	1 ³ / ₃₂
	L400BB	L400H	500	4/0 Str.	3	1 ¹³ / ₃₂	1 ¹⁵ / ₃₂	9/ ₃₂	5/ ₈	7/ ₈	9/ ₁₆	1 ⁵ / ₈
	L650	L650H	1,000	500	4	2	2 ³ / ₁₆	1 ⁷ / ₃₂	3/ ₄	1 ¹ / ₄	9/ ₁₆	2

* Sizes L35 and L70 have screwdriver slot head screws only. UL[®] 486A.



- For use where large contact area is required to provide more secure mounting
- Cast from high-strength bronze alloy

Type L – Single-conductor, two-hole mount



Diagrams	Cat. no.		Conductor range (AWG or kcmil)				Dimensions (in.)						
	Socket	Hex	Max.	Min.	L	W	H	F	D	K	E	G	J
	L1252	L1252H	1/0 Str.	4 Str.	2 ¹³ / ₁₆	2 ⁵ / ₃₂	1 ³ / ₁₆	3/ ₁₆	7/ ₁₆	1	1 ¹ / ₃₂	2	2 ⁷ / ₆₄
	L2502	L2502H	250	1/0 Str.	3	1 ¹ / ₁₆	1 ¹ / ₃₂	1 ⁵ / ₆₄	7/ ₁₆	1	1 ³ / ₃₂	1 ⁷ / ₈	5/ ₈
	L4002	L4002H	500	4/0 Str.	3 ³ / ₈	1 ¹³ / ₃₂	1 ¹⁵ / ₃₂	5/ ₁₆	7/ ₁₆	1	1 ³ / ₃₂	1 ¹⁵ / ₁₆	5 ⁷ / ₆₄
	L6502	L6502H	1000	500	4 ¹⁵ / ₁₆	2	2	3/ ₈	9/ ₁₆	1 ¹ / ₂	9/ ₁₆	2 ³ / ₄	1 ¹ / ₄

UL 486A



- Conveniently terminates parallel conductors

Type TL – Two-conductor, two-hole mount



Diagrams	Cat. no.		Conductor range (AWG or kcmil)				Dimensions (in.)						
	Socket	Hex	Max.	Min.	L	W	H	F	D	K	E	G	J
	TL250	TL250H	250	1/0 Str.	4 ⁵ / ₁₆	1 ⁷ / ₈	1 ¹ / ₁₆	9/ ₃₂	1 ³ / ₄	5/ ₈	9/ ₁₆	3 ³ / ₁₆	5/ ₈
	TL400	TL400H	500	4/0 Str.	4 ³ / ₄	2 ⁹ / ₁₆	1 ⁹ / ₁₆	1 ³ / ₃₂	1 ³ / ₄	1 ¹ / ₁₆	9/ ₁₆	3	7/ ₈
	TL650	TL650H	1,000	500	5 ⁹ / ₁₆	3 ³ / ₄	2 ³ / ₁₆	9/ ₁₆	1 ³ / ₄	5/ ₈	9/ ₁₆	3 ³ / ₈	1 ¹ / ₄

Four hole NEMA tang on TL650. UL 486A.



- Cast of high-strength copper alloy
- Plated steel socket head set screws

Type S – Copper end-to-end splice connector



Diagrams	Cat. no.		Conductor range (AWG or kcmil)				Dimensions (in.)		
	Socket	Hex	Max.	Min.	L	W	H	J	I
	S100BB	–	1 Str.	4 Sol.	1 ¹¹ / ₁₆	5/ ₈	1 ¹ / ₁₆	3/ ₈	1 ⁵ / ₁₆
	S225BB*	–	4/0 Str.	1 Str.	2 ³ / ₁₆	2 ⁷ / ₃₂	3 ¹ / ₃₂	9/ ₁₆	1 ³ / ₁₆
	S400BB	–	500	4/0 Str.	2 ⁷ / ₈	1 ³ / ₁₆	1 ⁵ / ₁₆	7/ ₈	1 ⁵ / ₈

* Not UL listed.

Copper mechanical connectors

Direct-burial splice kits, Type STC and Type BTC



Direct-burial splice kits



Cat. no.	Description	Wire range (AWG)	Std. pkg. qty.
UFSK148DB	UF direct-burial splice kit	#14-#8	10
DBSK82	Direct-burial splice kit (non-UF)	#8-#2	10

- Fast, easy installation.
- Includes outer heat-shrink tubing insulator with adhesive sealant for rugged, watertight protection
- For underground feeder (UF) cable, UFSK148DB's four-in-one connector supports four-conductor, three-phase-plus-neutral or single-phase wiring systems
- For non-UF cable, DBSK82 offers easy-to-install, one-piece, aluminum alloy connector



- Uniquely designed pressure bar and notched V-bottom collar provide vise-like grip between conductor and terminal

- Made of electrolytic seamless copper with zinc-plated steel screws
- UL486A tested for copper conductor

Type STC – Copper single-conductor, one-hole mount lug with straight tang



Diagrams	Cat. no.	Fig. no.	Conductor range (AWG or kcmil, Cu)		Dimensions (in.)					
			Max.	Min.	L	W	H	F	E	D
	STC1014*	1	#10	#14	1	5/16	1/2	5/64	5/32	3/16
	STC0614	2	#6 Str.	#14	1 3/64	3/8	1 1/16	5/64	1 3/64	7/32
	STC0414	2	#4 Str.	#14	1 1/4	1/2	2 7/32	3/32	1 7/64	1/4
	STC0208	3	#2 Str.	#8 Str.	1 15/32	1/2	3 1/32	3/32	1 7/64	1/4
	STC1102	3	1/0 Str.	#2 Str.	1 15/16	5/8	1 1/4	1/8	1 7/64	7/16
	STC3104	3	3/0 Str.	#4 Str.	2 1/4	3/4	1 9/16	1/8	1 13/32	7/16
	STC4102	3	4/0 Str.	#2 Str.	2 3/8	1	1 2 1/32	1/8	1 11/32	1/2
	STC3511	3	350	1/0 Str.	3 3/4	1	1 5/8	3/16	1 13/32	5/8
	STC5011	3	500	1/0 Str.	3 7/8	1 1/2	1 13/16	3/16	1 13/32	1 5/16
	STC9960	3	1000	600	5	2	2 5/8	1/4	1 7/32	1 1/8

* Not CSA certified.



Mechanical lug for use with copper conductors.

Type BTC – Copper single-conductor one-hole mount lug with offset tang



Diagrams	Cat. no.	Fig. no.	Conductor range (AWG or kcmil, Cu)		Dimensions (in.)					
			Max.	Min.	L	W	H	F	E	D
	BTC1014*	1	#10	#14	1	5/16	43/64	5/64	5/32	3/16
	BTC0614	2	#6 Str.	#14	1 3/32	3/8	2 5/32	5/64	1 3/64	7/32
	BTC0208	2	#2 Str.	#8 Str.	1 15/32	1/2	2 7/32	3/32	1 7/64	1/4
	BTC1102	2	1/0 Str.	#2 Str.	1 25/32	5/8	1 13/32	1/8	1 7/64	7/16
	BTC3104	2	3/0 Str.	#4 Str.	2 3/64	3/4	1 9/16	1/8	1 13/32	7/16
	BTC4102	2	4/0 Str.	#2 Str.	2 9/16	1	1 6 1/64	1/8	1 11/32	1/2
	BTC3511	2	350	1/0 Str.	3 3/4	1	2 1/2	3/16	1 13/32	5/8
	BTC5011	2	500	1/0 Str.	4 1/4	1 1/2	2 2 1/32	3/16	1 13/32	1 5/16
	BTC9960	2	1000	600	4 3/4	2	3 9/16	1/4	1 7/32	1 1/8

* Not CSA certified.