

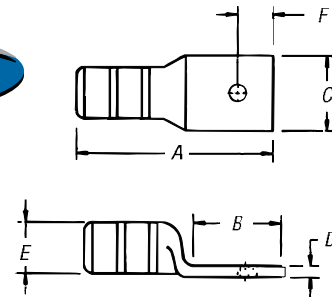
Compression Connectors for Copper Conductor

One-Hole Lugs — Long Barrel 600V to 35kV

Material: High-Conductivity
Wrought Copper
Finish: Electro Tin Plate



Peep Holes Available!
Add suffix **-PH**



CAT. NO.	WIRE SIZE			DIMENSIONS (IN.)						DIE CODE	DIE COLOR
	CODE	FLEX CLASS G, H, I, K, M†	BOLT SIZE	A	B	C	D	E	F		
54901BE	#14–10 AWG		¼	1.23	.56	.50	.05	.20	¼	ERG4002, ERG4005	“C” NEST
54929BE*	#8 AWG	23 Navy, #8 Flex	#10	1.65	.65	.42	.08	.26	¼	21	RED
54930BE*		37/24 = 14.9 kcmil	¼	1.65	.65	.42	.08	.26	¼	21	RED
54904BE*	#6 AWG	#6 Flex, 30 Navy, #5 Weld	#10	1.65	.65	.44	.08	.30	¼	24	BLUE
54905BE*			¼	1.65	.65	.44	.08	.30	¼	24	BLUE
54908BE*	#4 AWG	40—30 Navy, #4 Weld	#10	1.70	.65	.52	.10	.37	¼	29	GRAY
54906BE*		#5 91/24 = 36.7 kcmil	¼	1.70	.65	.52	.10	.37	¼	29	GRAY
54933BE*	#2–3 AWG	125/24 = 50.4 kcmil	#10	1.88	.65	.59	.11	.41	¼	33	BROWN
54942BE*		60 Navy, #3 Weld	⅞ ₁₆	2.03	.88	.59	.11	.41	⅜	33	BROWN
54945BE	#1 AWG	75 Navy, #2 Weld	#10	1.95	.65	.68	.11	.47	¼	37	GREEN
54947BE		150/24 = 60.5 kcmil	⅞ ₁₆	2.18	.88	.68	.11	.47	⅜	37	GREEN
54946BE	1/0 AWG	100 Navy	#10	1.95	.65	.75	.13	.52	¼	42	PINK
54949BE		#1 Weld	⅞ ₁₆	2.18	.88	.75	.13	.52	⅜	42	
54909BE		225/24 = 90.8 kcmil	⅞ ₈	2.23	.93	.75	.13	.52	⅜	42	
54950BE			½	2.55	1.25	.75	.13	.52	½	42	
54910BE	2/0 AWG	125 Navy, 1/0 Weld	⅞ ₈	2.28	.93	.83	.13	.57	⅜	45	BLACK
54951BE		275/24 = 111 kcmil	½	2.60	1.25	.83	.13	.57	½	45	BLACK
54965BE	3/0 AWG	325/24 = 131 kcmil, 150 Navy, 2/0 Weld	½	2.70	1.25	.92	.13	.63	½	50	ORANGE
256-30695-1252	4/0 AWG	200 Navy	¼	2.35	.65	1.03	.14	.70	¼	54	PURPLE
256-30695-1253		450/24 = 182 kcmil	⅞ ₈	2.95	1.25	1.03	.14	.70	⅜	54	
54970BE		3/0 Weld	½	2.95	1.25	1.03	.14	.70	½	54	
54913BE	250 kcmil	550/24 = 222 kcmil, 250 Navy, 4/0 Weld	½	3.15	1.25	1.13	.14	.77	½	62	YELLOW
54914BE	300 kcmil	300 Navy, 250 Weld, 262, 650/24	½	3.50	1.25	1.25	.15	.85	½	66	WHITE
54915BE	350 kcmil		½	3.68	1.25	1.36	.18	.93	½	71	RED
54916BE	400 kcmil	400 Navy, 300 Flex	½	3.75	1.25	1.41	.17	.96	½	76	BLUE
54917BE		775/24 = 313 kcmil, 350, 254 Str.	⅞ ₈	4.03	1.58	1.41	.17	.96	⅜	76	BLUE
54918BE	500 kcmil	925/24 = 373 kcmil	½	4.25	1.25	1.61	.22	1.10	½	87	BROWN
54919BE		400 Weld, 350, 3458 Str.	⅞ ₈	4.57	1.58	1.61	.22	1.10	⅜	87	BROWN
54921BE	600 kcmil	450 I, K	½	4.10	1.25	1.75	.24	1.20	½	94	GREEN
54920BE		1100/24 = 444 kcmil	⅞ ₈	4.39	1.58	1.75	.24	1.20	⅜	94	GREEN
54979BE	750 kcmil	1325/24 = 535 kcmil	½	4.40	1.25	1.80	.24	1.25	½	99	PINK
54922BE		1325/24 = 535 kcmil	½	4.40	1.25	1.94	.27	1.33	½	106	BLACK
54923BE		500 Weld	⅞ ₈	4.72	1.58	1.94	.27	1.33	⅜	106	
58984BE	900 kcmil	1600/24 = 646 kcmil	⅞ ₈	4.73	1.58	1.94	.27	1.33	⅜	106	YELLOW
58926BE		1925/24 = 777 kcmil	⅞ ₈	5.23	1.58	2.17	.310	1.50	¾	115	
54928BE	1000 kcmil		⅞ ₈	5.24	1.58	2.27	.30	1.55	¾	125	N/A
256-30695-918			⅞ ₈	5.42	1.82	2.37	.30	1.55	¾	125	

† Contact Technical Services for specific stranding listings

* UL® Listed for direct burial applications

Tooling: **pp. F-80–F-100** Die Selector Chart: **pp. F-101–F-104**

Overview

Order Form

Catalog No. _____ Qty. _____

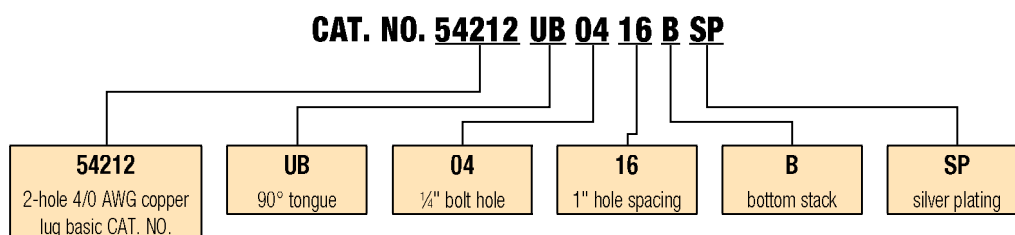
(For 54100, 54200, 54800 & 54900 Series Copper Lugs Only)

Design Controls and Requirements

All "MADE-UP" catalog numbers start with a standard or basic catalog number and are followed by the customer-required extra features: tongue shape, bolt hole size, distance between bolt holes, stacking, plating and inspection hole (peep hole). A code letter or a number has been assigned to each extra feature. See CODE TABLE.

Notes: 1) Lack of any of the extra features on the "MADE-UP" catalog number means that the standard Cat. No. features are prevalent.

2) If either bolt hole size or distance between bolt holes needs to be changed from standard Cat. No., both code numbers will appear on the "MADE-UP" Cat. No.
(See example below)



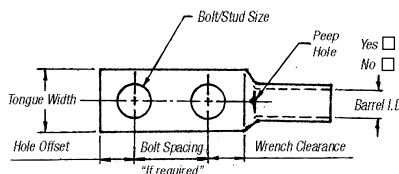
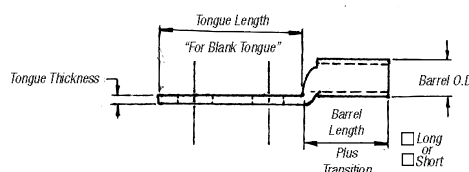
Code Table

TONGUE SHAPE		BOLT HOLES		BOLT HOLE CENTERS		STACKING		FINISH (PLATING)		INSPECTION HOLE (LONG BARREL)		INSPECTION HOLE (SHORT BARREL)		
TYPE	CODE	SIZE	.020	CODE	DISTANCE .015	CODE	TYPE	CODE	TYPE 1	CODE	I.D.	CODE	I.D.	CODE
15°	UI	#8	.173	02	½"	08	Top	T**	Silver Plate	SP	Peep Hole	PH	Blind End	BE
30°	UT	#10	.204	03	⅝"	10	Bottom	B	Lead Plate	LP				
45°	UF	¼"	.281	04	¾"	12			Nickel Plate	NP				
60°	US	⅜"	.344	05	⅞"	14			Plain Finish	PF				
90°	UB	⅜"	.406	06	1"	16			No Marking	NM				
Blank	BT	½"	.531	08	1⅛"	18			Not QTP if					
(No Bolt Hole)		⅝"	.656	10	1¼"	20			suffix other					
		¾"	.812	12	1⅝"	22			than - PF or					
		⅞"	.937	14	1½"	24			standard					
		1"	1.062	16	1⅞"	26			tin plate					
					1¾"	28								
					1⅞"	30								
					2"	32								

* These bolt centers not available for bolt holes larger than 1 3/8".

** Not required for 45° & 90° top stacking.

Cable		Code ☐	Weld ☐
☐ #8	☐ #6	☐ #4	
☐ #2	☐ #1	☐ 1/0	
☐ 2/0	☐ 3/0	☐ 4/0	
☐ 250 kcmil & up (Code Only)			

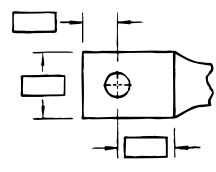


Overview

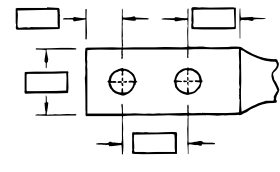
Tongue Specifications — See Chart “A” For Dimensions

Stud Sizes

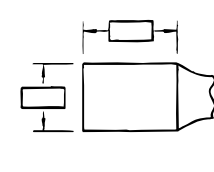
- ☐ #8 ☐ #10 ☐ ¼"
- ☐ ⅜" ☐ ⅝" ☐ ½"
- ☐ ⅞" ☐ ¾" ☐ 1"



☐ Single Hole



☐ Double Hole



☐ Blank

Chart A

NOMINAL BOLT HOLE SIZE .015	HOLE OFFSET .030	WRENCH CLEARANCE MIN.	TONGUE WIDTH CABLE SIZE										
			#8 CODE #8 WELD	#6 CODE #6 WELD	#4 CODE	#2 CODE #4 WELD	#1 CODE #2 WELD	1/0 CODE #1 WELD	2/0 CODE 1/0 WELD	3/0 CODE 2/0 WELD	4/0 CODE 3/0 WELD	250 CODE	
#8	.173	.200	.240	.406	.437	.562	.593	.672	.750	.825	.937	1.030	1.125
#10	.204	.218	.250	.406	.437	.562	.593	.672	.750	.825	.937	1.030	1.125
¼	.281	.250	.312	.469	.500	.562	.593	.672	.750	.825	.937	1.030	1.125
⅜	.344	.375	.406	.562	.562	.562	.675	.672	.750	.825	.937	1.030	1.125
½	.406	.375	.440	.578	.578	.594	.675	.672	.750	.825	.937	1.030	1.125
⅝	.531	.500	.562	—	—	—	.750	.750	.750	.825	.937	1.030	1.125
¾	.656	.625	.875	—	—	—	—	—	—	—	.937	1.030	1.125
⅞	.812	.750	.770	—	—	—	—	—	—	—	—	—	—
⅞*	.937	.875	.890	—	—	—	—	—	—	—	—	—	—
1*	1.062	.937	1.000	—	—	—	—	—	—	—	—	—	—

* These bolt holes available in one-hole lug only.

Chart B

CABLE SIZE	TONGUE THICKNESS	STRAIGHT LUG BARREL LENGTH PLUS TRANSITION		BARREL		DIM "X" STACKED LUGS			DIM "Y"		DIM "H"	
		SHORT	LONG	O.D.	I.D.	STRAIGHT	45°	90°	SHORT	LONG	SHORT	LONG
#8	.080	.635	.935	.260	.180	.158	.478	.394	.595	.808	.779	1.079
#6	.081	.675	.975	.296	.215	.134	.544	.432	.587	.799	.767	1.067
#4	.099	.685	.985	.365	.266	.175	.622	.502	.637	.849	.838	1.138
#2	.108	.815	1.115	.410	.302	.216	.649	.535	.711	.923	.958	1.258
#1	.106	.825	1.275	.467	.361	.212	.731	.592	.710	1.028	.956	1.406
1/0	.125	.975	1.325	.520	.396	.250	.789	.646	.794	1.042	1.075	1.425
2/0	.125	.965	1.315	.571	.446	.250	.859	.696	.829	1.077	1.125	1.475
3/0	.125	1.085	1.435	.632	.507	.250	.946	.757	.900	1.148	1.225	1.575
4/0	.137	1.255	1.705	.701	.564	.274	1.031	.826	1.015	1.333	1.387	1.837
250	.137	1.375	1.925	.766	.629	.274	1.123	.891	1.085	1.474	1.487	2.037
300	.153	1.900	2.675	.850	.660	.459	1.226	.975	1.180	1.726	1.924	2.679
350	.177	2.090	2.896	.926	.720	.531	1.333	1.103	1.267	1.830	2.096	2.896
400	.173	2.460	2.980	.960	.757	.519	1.370	1.085	1.551	1.913	2.484	2.984
500	.218	2.670	3.610	1.100	.852	.654	1.514	1.225	1.629	2.266	2.669	3.619
600	.244	2.900	3.490	1.200	.926	.732	1.630	1.325	1.762	2.147	2.897	3.497
700	.228	2.784	—	1.255	.997	.684	1.662	1.375	1.780	—	3.011	—
750	.270	3.050	3.925	1.330	1.030	.810	1.745	1.455	1.827	2.434	3.050	3.925
800	.266	3.213	—	1.375	1.079	.800	1.728	1.625	1.952	2.787	3.213	4.554
900	.313	3.450	4.550	1.500	1.145	.940	1.900	1.650	2.065	—	1.387	—
1,000	.297	3.356	4.500	1.550	1.203	.890	2.070	1.675	2.031	2.787	1.487	4.506

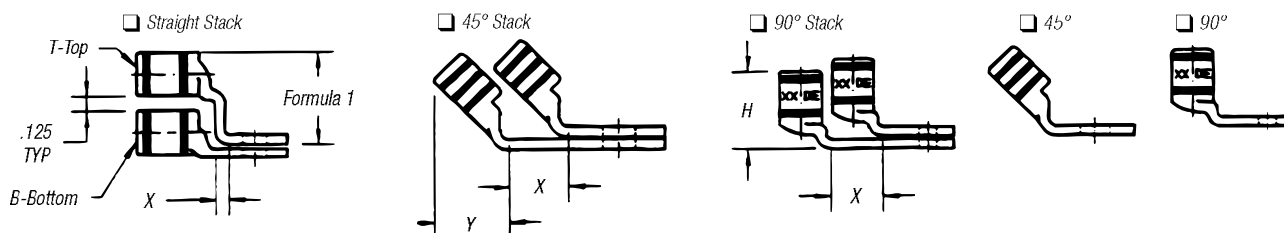
Note: Stacking lugs are available for one bolt only.

Consult Factory: Straight: 700 kcmil & up.

45°: 400 kcmil & up

90°: 500 kcmil & up

Overview



Formula 1 = (.125 + 2 (OD) + .037 – Tongue Thickness)

Chart C

BOLT HOLE SIZE	TONGUE WIDTH .030 CODE CABLE SIZE										
	300 KCMIL 4/0 WELD	350 KCMIL	400 KCMIL	500 KCMIL 400 WELD	600 KCMIL 500 WELD	1325/24	700 KCMIL	750 KCMIL	800 KCMIL	900 KCMIL	1000 KCMIL
#8	—	—	—	—	—	—	—	—	—	—	—
#10	—	—	—	—	—	—	—	—	—	—	—
¼	1.250	1.355	1.410	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
⅜	1.250	1.355	1.410	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
½	1.250	1.355	1.410	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
¾	1.250	1.355	1.410	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
1	1.250	1.355	1.410	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
1*	—	—	—	1.605	1.745	1.805	1.840	1.935	2.010	2.180	2.265
1*	—	—	—	—	1.745	1.805	1.840	1.935	2.010	2.180	2.265

* These bolt holes available in one-hole lug only.