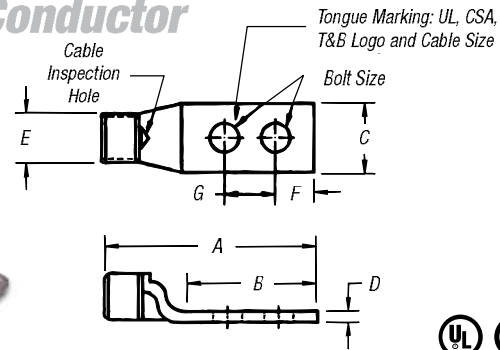


Compression Connectors for Copper Conductor

Two-Hole Lugs — Standard Barrel 600V to 35kV

Material: High-Conductivity
Wrought Copper

Finish: Electro Tin Plate



CAT. NO.	WIRE SIZE			BOLT SIZE	DIMENSIONS (IN.)							DIE CODE	DIE COLOR
	CODE	FLEX CLASS	G, H, I, K, M†		A	B	C	D	E	F	G		
54201	#14-10 AWG			¼	1.86	1.19	.50	.05	.20	¼	¾	ERG4002,	"C" NEST
256-30695-1302				¾	2.48	1.81	.56	.04	.22	¾	1	ERG4005	
54204	8 AWG #7 LS	23 Navy #8 Weld 37/24 = 14.9 kcmil		#10	1.88	1.18	.42	.08	.26	¼	¾	21	RED
256-31426-33*				#10	1.88	1.18	.41	.06	.26	⅞	¾-¾	21	
256-31426-33PH				#10	1.88	1.18	.41	.06	.26	⅞	¾-¾	21	
542040410				¼	2.01	1.31	.42	.08	.26	¼	¾	21	
542040416				¼	2.38	1.68	.42	.08	.26	¼	1	21	
256-30695-1094				¼	2.50	1.81	.56	.05	.26	¼	¾	21	
256-30695-251	#6 AWG	61/24 = 24.6 kcmil 133/.014 #5 Weld		¾	2.50	1.81	.56	.05	.26	¾	1	21	BLUE
256-30695-1070				#12	1.81	1.19	.44	.11	.30	¼	½-¾	24	
256-30695-1153				#10	1.98	1.28	.44	.08	.30	¼	½	24	
256-30695-1183				#10	1.98	1.19	.44	.08	.30	⅞	¾-¾	24	
54205				¼	1.98	1.28	.44	.08	.30	¼	¾	24	
256-30695-1095				¼	2.13	1.31	.43	.08	.30	¼	¾	24	
256-30695-252	#4 AWG	40-50 Navy, #4 Weld #5, 91/24 = 36.7 kcmil 133/.0177, 49/.029		¼	2.38	1.63	.43	.08	.30	¼	1	24	GRAY
256-30695-372				¼	2.13	1.43	.43	.08	.30	¼	¾	24	
256-30695-913				¼	2.38	1.75	.43	.08	.30	¼	1	24	
256-30695-253				¾	2.58	1.81	.55	.08	.30	¾	1	24	
54206				¼	2.03	1.28	.52	.10	.37	¼	¾	29	
256-30695-1184				⅞	2.31	1.63	.52	.10	.37	⅞	1	29	
256-30695-255	#3 AWG #2 AWG	#3 Flex 60 Navy 125/24 = 50.4 kcmil		¾	2.56	1.81	.59	.09	.37	¾	1	29	BROWN
54207				¼	2.13	1.28	.59	.11	.41	¼	¾	33	
256-30695-1355				¼	2.15	1.31	.59	.13	.41	¼	¾	33	
256-30695-1185				¼	2.38	1.53	.59	.11	.41	¼	1	33	
256-30695-257				¾	2.67	1.81	.60	.1	.41	¾	1	33	
256-30695-1049				½	3.75	2.88	.75	.09	.41	⅝	1¼	33	
54208	#1 AWG	75 Navy, #2 Weld 150/24 = 60.5 kcmil 175/24 = 70.6 kcmil, 133/.0223		¼	2.13	1.28	.68	.11	.47	¼	¾	37	GREEN
256-30695-1233				⅞	2.69	1.62	.69	.13	.47	⅞	1	37	
256-30695-1236				¾	2.75	1.81	.68	.11	.47	¾	1	37	
256-30695-329	1/0 AWG	100 Navy #1 Weld 225/24 = 90.8 kcmil 133/.0254		¼	2.75	1.81	.75	.14	.52	¾	¾	42	PINK
54255				⅞	2.56	1.56	.75	.14	.52	¾	¾	42	
256-30695-1234				⅞	2.75	1.78	.75	.14	.52	⅞	1	42	
54209				¾	2.88	1.93	.75	.13	.52	¾	1	42	
256-30695-1265				¾	3.50	2.57	.75	.14	.52	¾	1¼	42	
256-30695-886				½	3.78	2.83	.75	.13	.52	½	1¼	42	
256-30695-1175	2/0 AWG	125 Navy 1/0 Weld 275/24 = 111 kcmil 133/.0282		¼	2.45	1.44	.83	.14	.57	¼	¾	45	BLACK
54261				⅞	2.70	1.63	.83	.14	.57	½	¾	45	
256-30695-832				⅞	2.88	1.81	.81	.14	.57	¾	1	45	
54210				¾	2.93	1.93	.83	.13	.57	¾	1	45	
54260				½	3.83	2.81	.83	.14	.57	¾	1¼	45	
54266				⅞	2.88	1.75	.94	.14	.63	⅞	1	50	
54211	3/0 AWG	325/24 = 131 kcmil		¾	2.94	1.81	.94	.14	.63	¾	1	50	ORANGE
54265				½	3.94	2.81	.94	.14	.63	½	1¼	50	

† Contact Technical Services for specific stranding listings

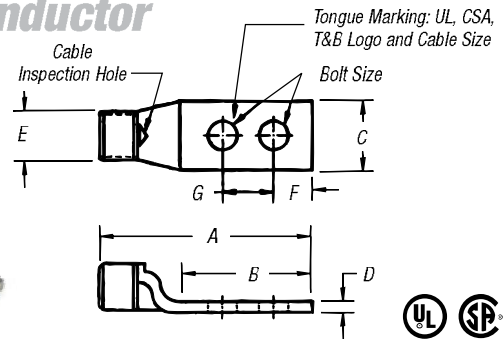
Tooling: pp. F-80-F-100 Die Selector Chart: pp. F-101-F-104 * Blind End

Compression Connectors for Copper Conductor

Two-Hole Lugs — Standard Barrel 600V to 35kV (continued)

Material: High-Conductivity
Wrought Copper

Finish: Electro Tin Plate



CAT. NO.	CODE	WIRE SIZE		BOLT SIZE	DIMENSIONS (IN.)							DIE CODE	DIE COLOR
		FLEX CLASS G, H, I, K, M†			A	B	C	D	E	F	G		
54212		200 Navy		3/8	3.18	1.93	1.03	.14	.70	3/8	1	54	PURPLE
54270		3/0 Weld		1/2	4.25	3.00	1.03	.14	.70	1/2	1 1/4	54	
256-30695-1247	4/0 AWG	450/24 = 182 kcmil		1/4	3.06	1.44	1.03	.16	.70	3/8	3/4	54	
256-30695-331		703/.0154		1/4	3.06	1.81	1.03	.14	.70	3/8	3/4	54	
256-30695-1261				3/16	3.18	1.93	1.03	.14	.70	3/8	1	54	
54213	250 kcmil	250 Navy		3/8	3.28	1.93	1.13	.14	.77	3/8	1	62	YELLOW
54275				1/2	4.19	2.81	1.13	.18	.77	1/2	1 1/4	62	
256-30695-345		4/0 Weld		3/8	3.25	1.69	1.25	.15	.79	3/8	7/8	62	
256-30695-835		550/24 = 222 kcmil		3/8	4.25	2.80	1.25	.15	.79	3/8	1	62	
256-30695-452		133/.0399		3/8	3.13	1.88	1.25	.16	.79	3/8	7/8	62	
58265		259/.0286, 637/.018		1/2	3.94	2.81	.94	.14	.79	1/2	1 1/4	62	
54214	300 kcmil	300 Navy		3/8	3.45	1.93	1.25	.15	.85	3/8	1	66	WHITE
54280		262, 650/24, 250 Weld		1/2	4.45	3.00	1.25	.15	.85	1/2	1 1/4	66	
256-30695-332				1/4	3.40	1.81	1.36	.18	.93	3/8	3/4	71	RED
256-30695-1240	350 kcmil	350 Navy		3/16	4.18	2.63	1.36	.18	.93	3/8	1 1/4	71	
54215				3/8	3.51	1.93	1.36	.18	.93	3/8	1	71	
54282				1/2	4.60	3.00	1.36	.18	.93	1/2	1 1/4	71	
54216	400 kcmil	400 Navy		3/8	3.93	1.93	1.41	.17	.96	3/8	1	76	BLUE
54283		313, 775/24, 300 Weld		3/8	3.88	1.93	1.41	.17	.96	3/8	1 1/16	76	
256-30695-439		400 Weld		3/8	4.35	2.25	1.61	.22	1.04	5/8	1	80	N/A
58277		925/24 = 373 kcmil		1/2	5.06	3.00	1.61	.22	1.04	1/2	1 1/4	80	
256-30695-839		259/.0393, 427/.0306		3/8	4.09	2.06	1.61	.22	1.04	1/2	1	80	
54218	500 kcmil	500 Navy		3/8	3.96	1.93	1.61	.22	1.10	3/8	1	87	BROWN
54286				1/2	5.07	3.00	1.61	.22	1.10	1/2	1 1/4	87	
256-30695-188				1/2	4.06	2.31	1.63	.22	1.10	1/2	1 1/4	87	
54220	600 kcmil	450 Flex I, K		3/8	4.13	1.93	1.75	.24	1.20	3/8	1	94	GREEN
54289		1100/24 = 444 kcmil		1/2	5.23	3.00	1.75	.24	1.20	1/2	1 1/4	94	
256-30695-1406				3/8	4.05	2.11	1.78	.24	1.25	1/2	1	99	PINK
256-30695-842	700 kcmil			3/8	4.30	2.06	1.80	.28	1.25	1/2	1	99	
256-30695-898				3/8	4.30	2.06	1.80	.28	1.25	1/2	1	99	
54291				1/2	5.18	3.00	1.84	.23	1.25	1/2	1 1/4	99	
58281		500 Flex, 535, 1325/24		1/2	5.23	3.00	1.80	.28	1.25	1/2	1 1/4	99	
256-30695-237	750 kcmil	600, 427 Str.		3/8	5.10	2.80	1.94	.27	1.33	3/8	1	106	BLACK
54223				1/2	5.32	3.00	1.94	.27	1.33	1/2	1 1/4	106	
256-30695-1376	800 kcmil	800 Navy		3/8	4.78	2.28	2.01	.27	1.38	7/16	1 1/8	107	ORANGE
54224				1/2	5.50	3.00	2.01	.27	1.38	1/2	1 1/4	107	
256-30695-694				3/8	4.65	2.06	2.18	.31	1.50	1/2	1	115	YELLOW
54226	900 kcmil	1925/24 = 777 kcmil		1/2	5.59	3.00	2.18	.31	1.50	1/2	1 1/4	115	
256-30695-846				3/8	4.60	2.06	2.12	.31	1.50	1/2	1	115	
256-30695-844				3/8	5.00	2.63	2.18	.31	1.50	5/16	1 1/2	115	
54228	1000 kcmil	1000 Navy		1/2	5.45	3.00	2.27	.30	1.55	1/2	1 1/4	125	

† Contact Technical Services for specific stranding listings

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

Overview

Order Form

Catalog No. _____ Qty. _____

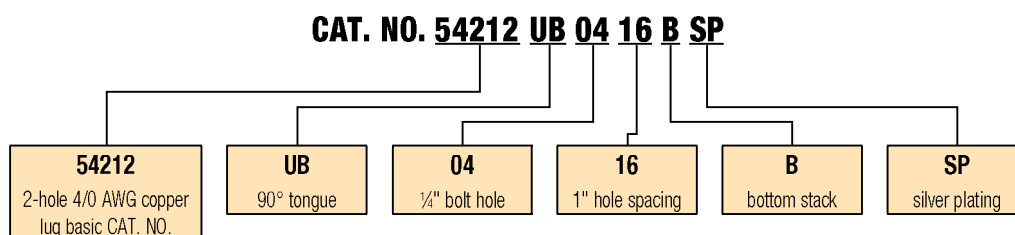
(For 54100, 54200, 54800 & 54900 Series Copper Lugs Only)

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)



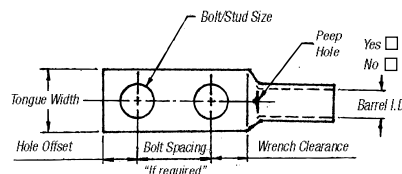
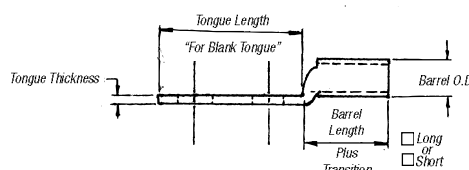
Code Table

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	⅝"	.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)			

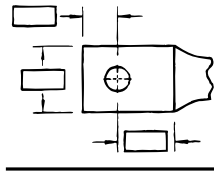


Overview

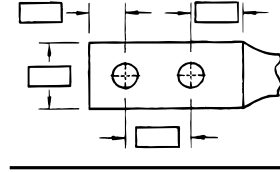
Tongue Specifications — See Chart “A” For Dimensions

Stud Sizes

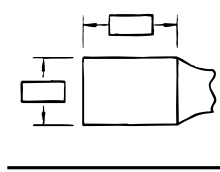
☐ #8	☐ #10	☐ ¼"
☐ ⅜"	☐ ⅝"	☐ ½"
☐ ⅞"	☐ ¾"	☐ ⅝"
☐ 1"		



☐ Single Hole



☐ Double Hole



☐ Blank

Chart A

NOMINAL BOLT HOLE SIZE .015	HOLE OFFSET .030	WRENCH CLEARANCE MIN.	TONGUE WIDTH CABLE SIZE										
			#8 CODE	#6 CODE		#2 CODE	#1 CODE	1/0 CODE	2/0 CODE	3/0 CODE	4/0 CODE	250	
			#8 WELD	#6 WELD	#4 CODE	#4 WELD	#2 WELD	#1 WELD	1/0 WELD	2/0 WELD	3/0 WELD	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	—	—	—	—	—	—	—	—	—	—
1*	.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

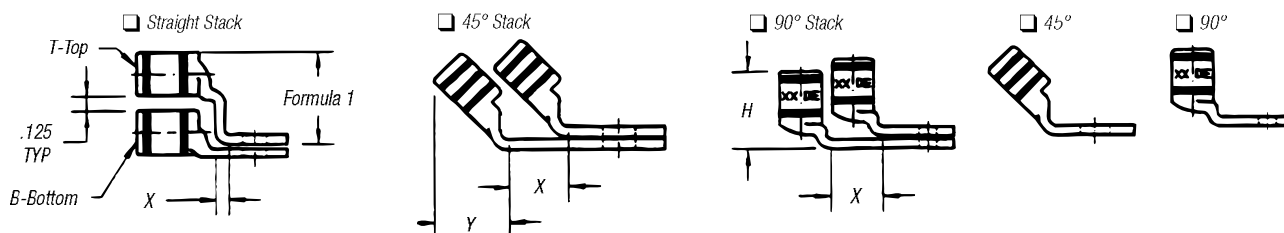
Note: Stacking lugs are available for one bolt only.

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

TONGUE WIDTH .030 CODE CABLE SIZE											
BOLT HOLE 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
⅞	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

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