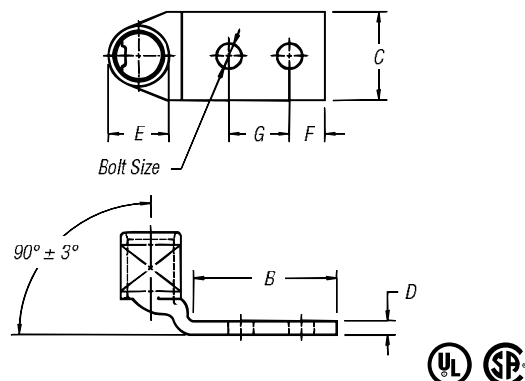


Compression Connectors for Copper Conductor

Two-Hole Lugs — 90° Standard Barrel 600V to 35kV Applications

Material: High-Conductivity Wrought Copper

Finish: Electro Tin Plate



CAT. NO.	WIRE SIZE			DIMENSIONS (IN.)							DIE CODE	DIE COLOR
	CODE	FLEX CLASS G, H, I, K, M*	BOLT SIZE	B	C	D	E	F	G			
CA256-31426-141			#10	1.25	.37	.07	.20	1/32	3/8			"C" NEST
256-31426-6SPH	#14-10 AWG		#10	1.30	.37	.07	.20	1/32	3/8 - 3/4	ERG4002,		
256-31426-6			#10	1.30	.37	.07	.20	1/32	3/8	ERG4005		
256-31426-6S			#10	1.30	.37	.07	.20	1/32	3/8 - 3/4			
256-30695-1409			#10	1.19	.41	.06	.26	1/32	3/8 - 3/4	21		RED
54204UB	#8 AWG	23 Navy, #8 Weld	#10	1.25	.42	.08	.26	1/4	3/8	21		
256-31426-33UB*	#7 LS	37/24 = 14.9 kcmil	#10	1.19	.41	.06	.26	1/32	3/8 - 3/4	21		
256-31426-33UBPH			#10	1.19	.41	.06	.26	1/32	3/8 - 3/4	21		
256-30695-1411			#10	1.19	.44	.08	.30	1/32	5/8 - 3/4	24		BLUE
256-30695-1183B		30 Navy	#10	1.19	.44	.08	.30	1/32	5/8 - 3/4	24		
256-30695-1356	#6 AWG	#6 Weld	#10	1.19	.43	.08	.30	1/32	3/8	24		
54205UB		133/.014	1/4	1.28	.44	.08	.30	1/4	3/8	24		
256-30695-252UB		#5 Weld	1/4	1.56	.43	.08	.30	1/4	1	24		GRAY
54206UB	#4 AWG	40-50 Navy #4 Weld	1/4	1.28	.52	.10	.37	1/4	3/8	29		
		#5 91/24 = 36.7 kcmil										
		133/.0177, 49/.029										
54207UB	#3 AWG	60 Navy	1/4	1.28	.59	.11	.41	1/4	3/8	33		BROWN
	#2 AWG	#3 Weld										
		125/24 = 50.4 kcmil										GREEN
54208UB	#1 AWG	75 Navy #2 Weld	1/4	1.28	.68	.11	.47	1/4	3/8	37		
		150/24 = 60.5 kcmil										
		175/24 = 70.6 kcmil, 133/.0223										
54209UB		100 Navy, #1 Weld	3/8	1.93	.75	.13	.52	3/8	1	42		PINK
54209UB0412	1/0 AWG	225/24 = 90.8 kcmil, 133/.0254	1/4	1.55	.75	.13	.52	1/4	3/8	42		
		225/24 = 90.8 kcmil, 133/.0254										BLACK
54261UB		125 Navy, 1/0 Weld	1/8	1.63	.83	.14	.57	1 1/32	3/8	45		
54210UB	2/0 AWG	275/24 = 111 kcmil	3/8	1.93	.83	.13	.57	3/8	1	45		
54260UB		133/.0282	1/2	2.81	.83	.14	.57	3/8	1 1/4	45		
54266UB		150 Navy, 2/0 Weld	1/8	1.75	.94	.14	.63	1 1/32	1	50		ORANGE
54211UB	3/0 AWG	325/24 = 131 kcmil	3/8	1.81	.94	.14	.63	3/8	1	50		
54265UB		133/.0316, 259/.0227, 427/.0177	1/2	2.81	.94	.14	.63	3/8	1 1/4	50		PURPLE
54212UB	4/0 AWG	200 Navy, 3/0 Weld	3/8	1.93	1.03	.14	.70	3/8	1	54		
54270UB		450/24 = 182 kcmil, 703/.0154	1/2	3.00	1.03	.14	.70	1/2	1 1/4	54		YELLOW
54213UB			3/8	1.93	1.13	.14	.77	3/8	1	62		
54275UB	250 kcmil	250 Navy	1/2	2.81	1.13	.18	.77	1/2	1 1/4	62		
256-30695-399UB		4/0 Weld, 550/24 = 222 kcmil	3/8	2.80	1.25	.15	.79	3/8	1	62		
58265UB		133/.0399, 259/.0286, 637/.018	1/2	2.81	.94	.14	.79	1/2	1 1/4	62		

* Contact Technical Services for specific stranding listings

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

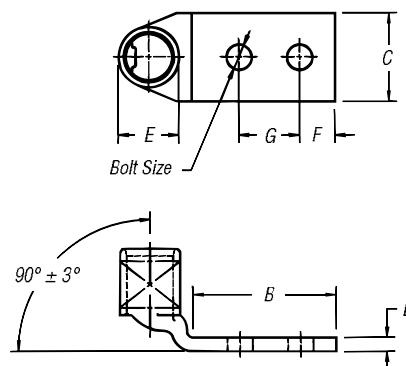
* Blind End

Compression Connectors for Copper Conductor

Two-Hole Lugs — 90° Standard Barrel 600V to 35kV Applications (continued)

Material: High-Conductivity Wrought Copper

Finish: Electro Tin Plate



CAT. NO.	WIRE SIZE			DIMENSIONS (IN.)							DIE CODE	DIE COLOR
	CODE	FLEX CLASS G, H, I, K, M†	BOLT SIZE	B	C	D	E	F	G			
54214UB	300 kcmil	262, 650/24, 250 Weld	¾	1.93	1.25	.15	.85	¾	1	66	66	WHITE
54280UB		300 Navy	½	3.00	1.25	.15	.85	½	1¼	66		
54215UB	350 kcmil	350 Navy	¾	1.93	1.36	.18	.93	¾	1	71	71	RED
54282UB		350 Navy	½	3.00	1.36	.18	.93	½	1¼	71		
54216UB	400 kcmil	400 Navy	¾	1.93	1.41	.17	.96	¾	1	76	76	BLUE
54283UB		313, 775/24, 300 Weld	¾	1.93	1.41	.17	.96	¾	1½	76		
58277UB		400 Weld, 925/24 = 373 kcmil 259/.0393, 427/.0306	½	3.00	1.61	.22	1.04	½	1¼	80	80	N/A
54218UB	500 kcmil	500 Navy	¾	1.93	1.61	.22	1.10	¾	1	87	87	BROWN
54286UB		500 Navy	½	3.00	1.61	.22	1.10	½	1¼	87		
54220UB	600 kcmil	1100/24 = 444 kcmil	¾	1.93	1.75	.24	1.20	¾	1	94	94	GREEN
54289UB		450 Flex I, K	½	3.00	1.75	.24	1.20	½	1¼	94		
54291UB	700 kcmil		½	3.00	1.84	.23	1.25	½	1¼	99	99	PINK
58281UB		500 Flex, 1325/24 = 535 kcmil	½	3.00	1.80	.28	1.25	½	1¼	99	99	
54223UB	750 kcmil	600, 427 Str.	½	3.00	1.94	.27	1.33	½	1¼	106	106	BLACK
54224UB	800 kcmil	800 Navy	½	3.00	2.01	.27	1.38	½	1¼	106	106	
54226UB	900 kcmil	1925/24 = 777 kcmil	½	3.00	2.18	.31	1.50	½	1¼	115	115	YELLOW
54228UB	1000 kcmil	1000 Navy	½	3.00	2.27	.30	1.55	½	1¼	125	125	N/A

† 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. _____

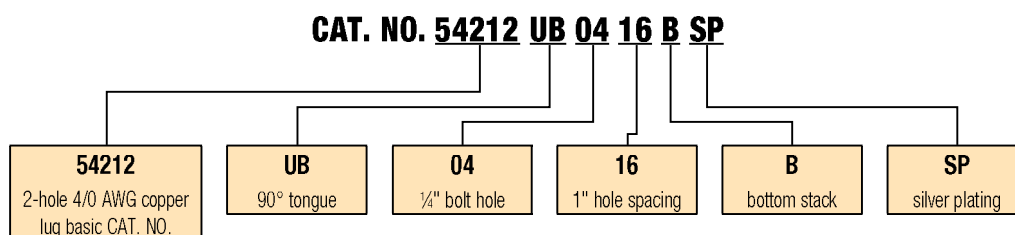
(For 54100, 54200, 54800 & 54900 Series Copper Lugs Only)

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)



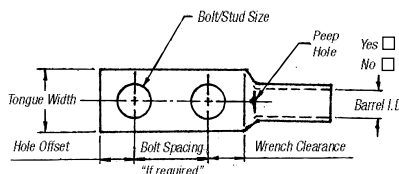
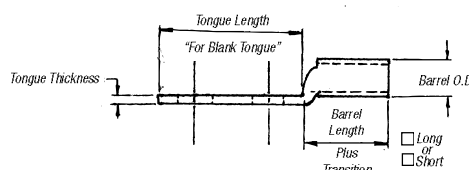
Code Table

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.

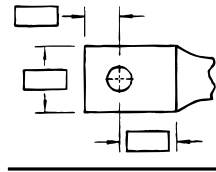
Cable		Code ☐	Weld ☐
☐ #8	☐ #6	☐ #4	
☐ #2	☐ #1	☐ 1/0	
☐ 2/0	☐ 3/0	☐ 4/0	
☐ 250 kcmil & up (Code Only)			



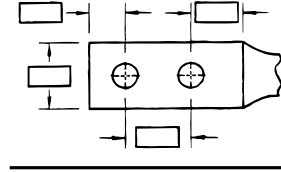
Overview

Tongue Specifications — See Chart “A” For Dimensions

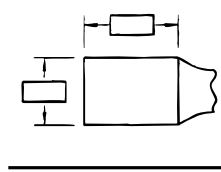
Stud Sizes		
☐ #8	☐ #10	☐ ¼"
☐ ⅜"	☐ ⅝"	☐ ½"
☐ ⅞"	☐ ¾"	☐ ⅝"
☐ 1"		



☐ 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

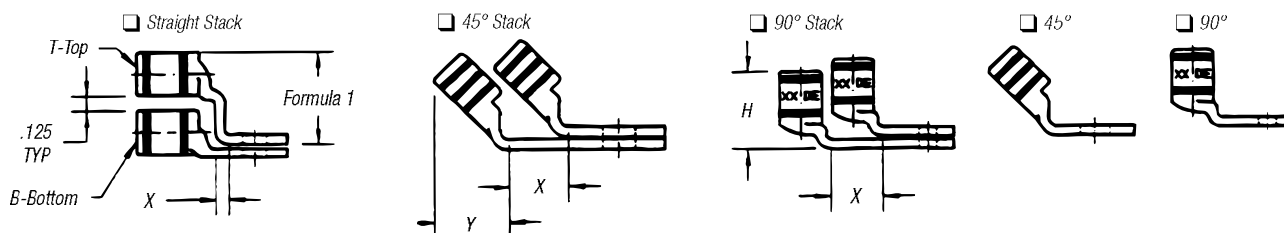
Note: Stacking lugs are available for one bolt only.

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
1*	—	—	—	—	1.745	1.805	1.840	1.935	2.010	2.180	2.265

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