

SureCrimp® Aluminum Compression Lugs

Long Barrel - Standard Tang - Dual Rated, Conductor Range: 4/0 - #8

A

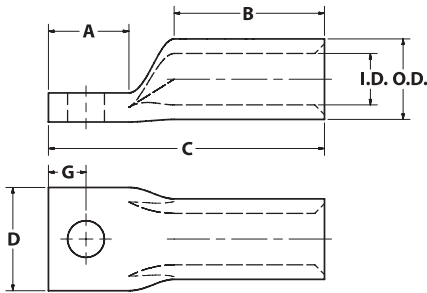
TYPE ALNS

Features

- Manufactured from high strength aluminum alloy
- Electro-Tin plated
- Chamfered entry
- Color coded end cap
- Roll marked
- Pre-filled with DE-OX® oxide inhibiting compound
- Range taking
- Suitable for use in circuits rated 35KV or less, proper high voltage spacing and insulation techniques must be used
- Dual rated AL9CU to 90°C

Benefits

- Offers maximum conductivity and excellent crimping characteristics
- Provides low contact resistance
- For easy conductor insertion
- Identifies the proper conductor size
- For easy identification and proper location of crimps
- Prevents oxides from forming & promotes connector longevity
- Permits inventories to be kept to a minimum
- Application versatility
- For use with aluminum or copper conductor



Catalog Number	Wire Size	Expanded Wire Range*	Bolt Size	Stud Hole Dia.	Dimensions - in (mm)						Die Color Code	Die Index	
					A	B	C	D	G	O.D.			I.D.
ALNS-8-10	#8 AWG	-	#10	0.219 (5.6)	0.661 (16.8)	0.602 (15.3)	1.470 (37.3)	0.388 (9.9)	0.259 (6.6)	0.300 (7.6)	0.155 (3.9)	Blue	374
ALNS-6-14	#6 AWG	-	1/4	0.281 (7.1)	0.895 (22.7)	0.602 (15.3)	1.860 (47.2)	0.449 (11.4)	0.321 (8.1)	0.338 (8.6)	0.194 (4.9)	Gray	346
ALNS-4-14	#4 AWG	4-6 AWG	1/4	0.281 (7.1)	1.029 (26.1)	0.920 (23.4)	2.170 (55.1)	0.568 (14.4)	0.321 (8.1)	0.427 (10.8)	0.247 (6.3)	Green	375
ALNS-4-516	#4 AWG	4-6 AWG	5/16	0.343 (8.7)	0.937 (23.8)	0.920 (23.4)	2.170 (55.1)	0.568 (14.4)	0.353 (9.0)	0.427 (10.8)	0.247 (6.3)	Green	375
ALNS-2-14	#2 AWG	2-6 AWG	1/4	0.281 (7.1)	0.990 (25.1)	0.970 (24.6)	2.240 (56.9)	0.700 (17.8)	0.321 (8.1)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALNS-2-516	#2 AWG	2-6 AWG	5/16	0.343 (8.7)	1.058 (26.9)	0.970 (24.6)	2.240 (56.9)	0.700 (17.8)	0.442 (11.2)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALNS-2-38	#2 AWG	2-6 AWG	3/8	0.406 (10.3)	0.940 (23.9)	0.970 (24.6)	2.240 (56.9)	0.700 (17.8)	0.414 (10.5)	0.525 (13.3)	0.307 (7.8)	Pink	348
ALNS-1-14	#1 AWG	1-2 AWG	1/4	0.281 (7.1)	0.996 (25.3)	0.970 (24.6)	2.290 (58.2)	0.748 (19.0)	0.321 (8.1)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALNS-1-516	#1 AWG	1-2 AWG	5/16	0.343 (8.7)	0.937 (23.8)	0.970 (24.6)	2.175 (55.2)	0.748 (19.0)	0.353 (9.0)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALNS-1-38	#1 AWG	1-2 AWG	3/8	0.406 (10.3)	0.939 (23.9)	0.970 (24.6)	2.290 (58.2)	0.748 (19.0)	0.414 (10.5)	0.544 (13.8)	0.358 (9.1)	Gold	471
ALNS-1/0-516	1/0 AWG	1/0-1 AWG	5/16	0.343 (8.7)	0.937 (23.8)	1.070 (27.2)	2.301 (58.4)	0.819 (20.8)	0.353 (9.0)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALNS-1/0-38	1/0 AWG	1/0-1 AWG	3/8	0.406 (10.3)	0.937 (23.8)	1.070 (27.2)	2.460 (62.5)	0.819 (20.8)	0.414 (10.5)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALNS-1/0-12	1/0 AWG	1/0-1 AWG	1/2	0.562 (14.3)	1.292 (32.8)	1.070 (27.2)	2.820 (71.6)	0.819 (20.8)	0.546 (13.9)	0.599 (15.2)	0.385 (9.8)	Tan	296
ALNS-2/0-38	2/0 AWG	2/0-1 AWG	3/8	0.406 (10.3)	0.925 (23.5)	1.355 (34.4)	2.910 (73.9)	0.921 (23.4)	0.414 (10.5)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALNS-2/0-12	2/0 AWG	2/0-1 AWG	1/2	0.562 (14.3)	1.283 (32.6)	1.355 (34.4)	3.285 (83.4)	0.921 (23.4)	0.546 (13.9)	0.674 (17.1)	0.432 (11.0)	Olive	297
ALNS-3/0-38	3/0 AWG	3/0-1 AWG	3/8	0.406 (10.3)	0.900 (22.9)	1.355 (34.4)	2.950 (74.9)	1.044 (26.5)	0.414 (10.5)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALNS-3/0-12	3/0 AWG	3/0-1 AWG	1/2	0.562 (14.3)	1.280 (32.5)	1.355 (34.4)	3.310 (84.1)	1.044 (26.5)	0.546 (13.9)	0.761 (19.3)	0.495 (12.6)	Ruby	467
ALNS-4/0-38	4/0 AWG	4/0-1 AWG	3/8	0.406 (10.3)	0.935 (23.7)	1.535 (39.0)	3.090 (78.5)	1.170 (29.7)	0.414 (10.5)	0.854 (21.7)	0.553 (14.0)	White	298
ALNS-4/0-12	4/0 AWG	4/0-1 AWG	1/2	0.562 (14.3)	1.145 (29.1)	1.535 (39.0)	4.177 (106.1)	1.170 (29.7)	0.546 (13.9)	0.854 (21.7)	0.553 (14.0)	White	298

For Tool and Die Information Refer to Tooling Information Page Series: ALNS, ALND, ALNN, ASN

* When installed with specified dieless tools

Tested to UL 486A/B, UL File E6207

TYPE ALNS

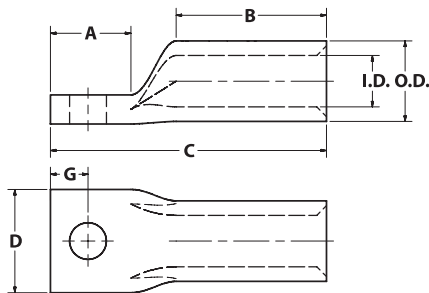
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ALNS-250-38	250kcmil	250kcmil-1/0 AWG	3/8	0.406 (10.3)	0.875 (22.2)	1.535 (39.0)	3.200 (81.3)	1.264 (32.1)	0.414 (10.5)	0.924 (23.5)	0.595 (15.1)	Red	324
ALNS-250-12	250kcmil	250kcmil-1/0 AWG	1/2	0.562 (14.3)	0.875 (22.2)	1.535 (39.0)	3.316 (84.2)	1.264 (32.1)	0.546 (13.9)	0.924 (23.5)	0.595 (15.1)	Red	324
ALNS-300-38	300kcmil	300kcmil -2/0 AWG	3/8	0.406 (10.3)	0.905 (23.0)	1.535 (39.0)	3.296 (83.7)	1.381 (35.1)	0.414 (10.5)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALNS-300-12	300kcmil	300kcmil-2/0 AWG	1/2	0.562 (14.3)	1.295 (32.9)	1.535 (39.0)	3.690 (93.7)	1.381 (35.1)	0.546 (13.9)	1.010 (25.7)	0.650 (16.5)	Blue	470
ALNS-350-12	350kcmil	350kcmil-3/0 AWG	1/2	0.562 (14.3)	1.280 (32.5)	2.353 (59.8)	4.310 (109.5)	1.516 (38.5)	0.546 (13.9)	1.105 (28.1)	0.720 (18.3)	Brown	299
ALNS-400-12	400kcmil	400kcmil-4/0 AWG	1/2	0.562 (14.3)	1.302 (33.1)	2.303 (58.5)	4.250 (108.0)	1.623 (41.2)	0.546 (13.9)	1.188 (30.2)	0.762 (19.4)	Green	472
ALNS-400-58	400kcmil	400kcmil-4/0 AWG	5/8	0.656 (16.7)	1.485 (37.7)	2.303 (58.5)	4.420 (112.3)	1.623 (41.2)	0.671 (17.0)	1.188 (30.2)	0.762 (19.4)	Green	472
ALNS-500-12	500kcmil	500kcmil-4/0 AWG	1/2	0.562 (14.3)	1.303 (33.1)	2.565 (65.2)	4.745 (120.5)	1.802 (45.8)	0.546 (13.9)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALNS-500-58	500kcmil	500kcmil-4/0 AWG	5/8	0.656 (16.7)	1.500 (38.1)	2.565 (65.2)	4.930 (125.2)	1.802 (45.8)	0.671 (17.0)	1.315 (33.4)	0.854 (21.7)	Pink	300
ALNS-600-12	600kcmil	600kcmil-250kcmil	1/2	0.562 (14.3)	1.372 (34.8)	2.685 (68.2)	5.250 (133.4)	1.965 (49.9)	0.671 (17.0)	1.440 (36.6)	0.920 (23.4)	Black	473
ALNS-600-58	600kcmil	600kcmil-250kcmil	5/8	0.656 (16.7)	1.528 (38.8)	2.685 (68.2)	5.350 (135.9)	1.965 (49.9)	0.671 (17.0)	1.440 (36.6)	0.920 (23.4)	Black	473
ALNS-700/750-12	700/750kcmil	750kcmil-500kcmil	1/2	0.562 (14.3)	1.380 (35.1)	2.964 (75.3)	5.492 (139.5)	2.048 (52.0)	0.546 (13.9)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALNS-700/750-58	700/750kcmil	750kcmil-500kcmil	5/8	0.656 (16.7)	1.421 (36.1)	2.964 (75.3)	5.505 (139.8)	2.048 (52.0)	0.671 (17.0)	1.460 (37.1)	1.030 (26.2)	Yellow	936
ALNS-1000-12	1000kcmil	1000kcmil-750kcmil	1/2	0.562 (14.3)	1.461 (37.1)	2.996 (76.1)	6.100 (154.9)	2.514 (63.9)	0.811 (20.6)	1.840 (46.7)	1.180 (30.0)	Brown	P302
ALNS-1000-58	1000kcmil	1000kcmil-750kcmil	5/8	0.656 (16.7)	1.800 (45.7)	2.996 (76.1)	6.350 (161.3)	2.514 (63.9)	0.671 (17.0)	1.840 (46.7)	1.180 (30.0)	Brown	P302

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* When installed with specified dieless tools

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