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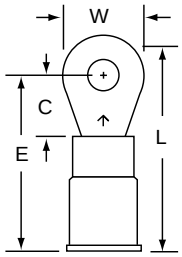
Specialty Terminals

11-2S-NB thru 13-500-NB

Ring Tongue, Nylon Insulated with Insulation Grip



Data Sheet

Product Number	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
11-2S-NB	22-18	2	0.25	0.23	0.79	0.67	0.030	0.25	0.070	0.145
11-4S-NB	22-18	4	0.25	0.22	0.79	0.66	0.030	0.25	0.070	0.145
11-6S-NB	22-18	6	0.25	0.22	0.79	0.66	0.030	0.25	0.070	0.145
L-11-6-NB	22-18	6	0.31	0.33	0.92	0.77	0.030	0.25	0.070	0.145
11-8S-NB	22-18	8	0.25	0.22	0.79	0.66	0.030	0.25	0.070	0.145
11-8-NB	22-18	8	0.33	0.29	0.89	0.73	0.030	0.25	0.070	0.145
L-11-8-NB	22-18	8	0.31	0.33	0.92	0.77	0.030	0.25	0.070	0.145
11-10-NB	22-18	10	0.33	0.29	0.89	0.73	0.030	0.25	0.070	0.145
L-11-10-NB	22-18	10	0.31	0.33	0.92	0.77	0.030	0.25	0.070	0.145
11-14S-NB	22-18	¼	0.47	0.40	1.07	0.84	0.030	0.25	0.070	0.145
11-56S-NB	22-18	5⁄16	0.47	0.40	1.07	0.84	0.030	0.25	0.070	0.145
11-38-NB	22-18	⅜	0.56	0.40	1.12	0.84	0.030	0.25	0.070	0.145
12-2S-NB	16-14	2	0.25	0.22	0.81	0.68	0.030	0.25	0.090	0.170
12-4S-NB	16-14	4	0.25	0.22	0.81	0.68	0.030	0.25	0.090	0.170
12-6S-NB	16-14	6	0.25	0.22	0.81	0.68	0.030	0.25	0.090	0.170
12-6-NB	16-14	6	0.33	0.29	0.91	0.75	0.030	0.25	0.090	0.170
L-12-6-NB	16-14	6	0.31	0.33	0.94	0.79	0.030	0.25	0.090	0.170
12-8S-NB	16-14	8	0.25	0.22	0.81	0.68	0.030	0.25	0.090	0.170
12-8-NB	16-14	8	0.33	0.29	0.91	0.75	0.030	0.25	0.090	0.170
L-12-8-NB	16-14	8	0.31	0.33	0.94	0.79	0.030	0.25	0.090	0.170

(continued on next page)

Product Number	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.	Maximum Insulation Diameter
12-10-NB	16-14	10	0.33	0.29	0.89	0.75	0.030	0.25	0.090	0.170
L-12-10-NB	16-14	10	0.31	0.33	0.92	0.79	0.030	0.25	0.090	0.170
12-14S-NB	16-14	¼	0.47	0.40	1.09	0.86	0.030	0.25	0.090	0.170
12-14-NB	16-14	¼	0.56	0.40	1.14	0.86	0.030	0.25	0.090	0.170
12-56S-NB	16-14	5⁄16	0.47	0.40	1.09	0.86	0.030	0.25	0.090	0.170
12-56-NB	16-14	5⁄16	0.56	0.40	1.14	0.86	0.030	0.25	0.090	0.170
12-38-NB	16-14	⅜	0.56	0.40	1.14	0.86	0.030	0.25	0.090	0.170
13-4S-NB	12-10	4	0.28	0.29	0.98	0.84	0.040	0.25	0.135	0.250
13-6S-NB	12-10	6	0.28	0.29	0.98	0.84	0.040	0.25	0.135	0.250
13-6-NB	12-10	6	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250
13-8S-NB	12-10	8	0.28	0.29	0.98	0.84	0.040	0.25	0.135	0.250
13-8-NB	12-10	8	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250
13-10-NB	12-10	10	0.38	0.29	1.03	0.84	0.040	0.25	0.135	0.250
13-14S-NB	12-10	¼	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250
13-14-NB	12-10	¼	0.59	0.44	1.29	0.99	0.040	0.25	0.135	0.250
13-56S-NB	12-10	5⁄16	0.53	0.44	1.26	0.99	0.040	0.25	0.135	0.250
13-56-NB	12-10	5⁄16	0.59	0.44	1.29	0.99	0.040	0.25	0.135	0.250
13-38S-NB	12-10	⅜	0.54	0.44	1.26	0.99	0.040	0.25	0.135	0.250
13-38-NB	12-10	⅜	0.59	0.44	1.29	0.99	0.040	0.25	0.135	0.250
13-716-NB	12-10	7⁄16	0.75	0.57	1.49	1.12	0.040	0.25	0.135	0.250
13-500-NB	12-10	½	0.75	0.57	1.50	1.12	0.040	0.25	0.135	0.250

UNDERWRITERS LABORATORIES
STANDARD NO. UL 486A
3M FILE NO. E23438

CANADIAN STANDARDS ASSOCIATION
STANDARD NO. C22.2
NO. 0. 65
3M FILE NO. LR22190

Specifications

Wire Size:	See Table Above
Barrel Seam:	Butted with Insulation Grip
Max. Voltage Rating:	600 V Building Wire 1000 V Signs, Fixtures and Luminaires
Max. Temperature Rating:	221˚F (105˚C)
Max. Current:	Same as Wire
Insulator Material:	Nylon
Terminal Material:	ETP Copper
Insulation Grip Material:	Brass
Terminal Plating:	Tin

Installation Information

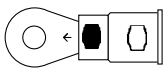
⚠WARNING

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

UL Listed and CSA Certified for use on stranded copper (AWG) wire only.

Strip away the end 3/8 inch of wire insulation.

Make the crimp in the proper station of a recommended 3M crimp tool: TH-440, TH-450 (scissor style), or TR-482, TR-490 (ratchet style) hand tools.



Barrel Crimp (Electrical)

Insulation Support Crimp (Mechanical)

Engineering Specification

Crimp-type terminals shall, electrically and mechnically, connect to a pre-stripped end of a stranded copper wire and have a flat tongue portion with a central opening for mounting around a screw or stud.

The terminal line shall offer tongue variations in hole (stud) size (6, 8 10, etc.) and configuration (ring, fork, block fork, flanged block fork, locking fork, etc.): and barrel variations in wire (AWG) size (22-18, 16-14, 12-10, etc.) and construction (non-insulated brazed seam, vinyl insulated butted seam, nylon insulated with insulation grip, etc.). The terminal line shall have regulatory agency coverage (UL Listing, CSA Certification). The terminal tongue shall be marked with the wire range and manufacturer's symbol (↑).

The nylon-insulated, ring tongue terminal with insulation grip shall be tin-plated, annealed copper, with the tongue having a specified stud hole (size 4 thru 1/2 in.) and a butted seam barrel with a tin plated brass, funnel entry insulation grip, covered by a molded nylon sleeve, color coded and sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

Insulated terminals shall be UL Listed and CSA Certified for 600 Volts maximum building wire: 1000 Volts maximum in signs, fixtures and luminaries and have a maximum operating temperature of 221°F (105°C).

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