



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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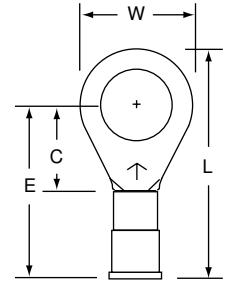
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Specialty Terminals

123-6S-NB thru 123-500-NB
Heavy-Duty, 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 Insulator Diameter
123-6S-NB	16-12	6	0.28	0.29	0.98	0.84	0.050	0.25	0.110	0.250
123-6-NB	16-12	6	0.38	0.29	1.03	0.84	0.050	0.25	0.110	0.250
123-8S-NB	16-12	8	0.28	0.29	0.98	0.84	0.050	0.25	0.110	0.250
123-8-NB	16-12	8	0.38	0.29	1.03	0.84	0.050	0.25	0.110	0.250
123-10-NB	16-12	10	0.38	0.29	1.03	0.84	0.050	0.25	0.110	0.250
123-14-NB	16-12	1/4	0.61	0.44	1.29	0.99	0.050	0.25	0.110	0.250
123-56-NB	16-12	5/16	0.61	0.44	1.29	0.99	0.050	0.25	0.110	0.250
123-38-NB	16-12	3/8	0.61	0.44	1.29	0.99	0.050	0.25	0.110	0.250
123-716-NB	16-12	7/16	0.75	0.57	1.49	1.12	0.050	0.25	0.110	0.250
123-500-NB	16-12	1/2	0.75	0.57	1.50	1.12	0.050	0.25	0.110	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:
Barrel Seam:
Max. Voltage Rating:

Max. Temperature Rating:
Max. Current:
Insulator Material:
Terminal Material:
Terminal Plating:

See Table Above
Butted with Insulation Grip
600V Building Wire
1000 V Signs, Fixtures
and Luminaires
221°F (105°C)
Same as Wire
Nylon
ETP Copper
Tin

Installation Information

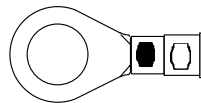
WARNING

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 Crimp (Mechanical)

Engineering Specification

Crimp-type terminals shall, electrically and mechanically, 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 heavy-duty nylon-insulated, ring tongue terminal with insulation grip shall be tin-plated, annealed copper, with the tongue having a specified stud hole (size 6 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 (16-12).

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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