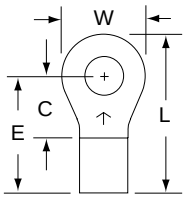
# Specialty Terminals

## 11-2S-W thru 13-500-W

Ring Tongue, Non-Insulated, Brazed Seam




## Data Sheet

| Product Number | Wire Range (AWG) | Stud Size | W | C | L | E | Thickness | Barrel Length | Barrel I.D. |
|---|---|---|---|---|---|---|---|---|---|
| 11-2S-W | 22-18 | 2 | 0.25 | 0.23 | 0.60 | 0.48 | 0.030 | 0.25 | 0.070 |
| 11-4S-W | 22-18 | 4 | 0.25 | 0.23 | 0.60 | 0.48 | 0.030 | 0.25 | 0.070 |
| 11-6S-W | 22-18 | 6 | 0.25 | 0.22 | 0.60 | 0.47 | 0.030 | 0.25 | 0.070 |
| L-11-6-W | 22-18 | 6 | 0.31 | 0.33 | 0.74 | 0.58 | 0.030 | 0.25 | 0.070 |
| 11-8S-W | 22-18 | 8 | 0.25 | 0.22 | 0.60 | 0.47 | 0.030 | 0.25 | 0.070 |
| 11-8-W | 22-18 | 8 | 0.33 | 0.29 | 0.70 | 0.54 | 0.030 | 0.25 | 0.070 |
| L-11-8-W | 22-18 | 8 | 0.31 | 0.33 | 0.74 | 0.58 | 0.030 | 0.25 | 0.070 |
| 11-10-W | 22-18 | 10 | 0.33 | 0.29 | 0.70 | 0.54 | 0.030 | 0.25 | 0.070 |
| L-11-10-W | 22-18 | 10 | 0.31 | 0.33 | 0.74 | 0.58 | 0.030 | 0.25 | 0.070 |
| 11-14S-W | 22-18 | ¼ | 0.47 | 0.40 | 0.88 | 0.65 | 0.030 | 0.25 | 0.070 |
| 11-56S-W | 22-18 | 5⁄16 | 0.47 | 0.40 | 0.88 | 0.65 | 0.030 | 0.25 | 0.070 |
| 11-38-W | 22-18 | ⅜ | 0.56 | 0.40 | 0.88 | 0.65 | 0.030 | 0.25 | 0.070 |
| 12-2S-W | 16-14 | 2 | 0.25 | 0.22 | 0.60 | 0.47 | 0.030 | 0.25 | 0.090 |
| 12-4S-W | 16-14 | 4 | 0.25 | 0.22 | 0.60 | 0.47 | 0.030 | 0.25 | 0.090 |
| 12-6S-W | 16-14 | 6 | 0.25 | 0.22 | 0.60 | 0.47 | 0.030 | 0.25 | 0.090 |
| 12-6-W | 16-14 | 6 | 0.33 | 0.29 | 0.70 | 0.54 | 0.030 | 0.25 | 0.090 |
| L-12-6-W | 16-14 | 6 | 0.31 | 0.33 | 0.74 | 0.58 | 0.030 | 0.25 | 0.090 |
| 12-8S-W | 16-14 | 8 | 0.25 | 0.22 | 0.60 | 0.47 | 0.030 | 0.25 | 0.090 |
| 12-8-W | 16-14 | 8 | 0.33 | 0.29 | 0.70 | 0.54 | 0.030 | 0.25 | 0.090 |
| L-12-8-W | 16-14 | 8 | 0.31 | 0.33 | 0.74 | 0.58 | 0.030 | 0.25 | 0.090 |

| Product Number | Wire Range (AWG) | Stud Size | W | C | L | E | Thickness | Barrel Length | Barrel I.D. |
|---|---|---|---|---|---|---|---|---|---|
| 12-10-W | 16-14 | 10 | 0.33 | 0.29 | 0.70 | 0.54 | 0.030 | 0.25 | 0.090 |
| L-12-10-W | 16-14 | 10 | 0.31 | 0.33 | 0.74 | 0.58 | 0.030 | 0.25 | 0.090 |
| 12-14S-W | 16-14 | ¼ | 0.47 | 0.40 | 0.89 | 0.65 | 0.030 | 0.25 | 0.090 |
| 12-14-W | 16-14 | ¼ | 0.56 | 0.40 | 0.93 | 0.65 | 0.030 | 0.25 | 0.090 |
| 12-56S-W | 16-14 | 5⁄16 | 0.47 | 0.40 | 0.88 | 0.65 | 0.030 | 0.25 | 0.090 |
| 12-56-W | 16-14 | 5⁄16 | 0.56 | 0.40 | 0.93 | 0.65 | 0.030 | 0.25 | 0.090 |
| 12-38-W | 16-14 | ⅜ | 0.56 | 0.40 | 0.93 | 0.65 | 0.030 | 0.25 | 0.090 |
| 13-4S-W | 12-10 | 4 | 0.28 | 0.29 | 0.68 | 0.54 | 0.040 | 0.25 | 0.135 |
| 13-6S-W | 12-10 | 6 | 0.28 | 0.29 | 0.68 | 0.54 | 0.040 | 0.25 | 0.135 |
| 13-6-W | 12-10 | 6 | 0.38 | 0.29 | 0.73 | 0.54 | 0.040 | 0.25 | 0.135 |
| 13-8S-W | 12-10 | 8 | 0.28 | 0.29 | 0.68 | 0.54 | 0.040 | 0.25 | 0.135 |
| 13-8-W | 12-10 | 8 | 0.38 | 0.29 | 0.73 | 0.54 | 0.040 | 0.25 | 0.135 |
| 13-10-W | 12-10 | 10 | 0.38 | 0.29 | 0.73 | 0.54 | 0.040 | 0.25 | 0.135 |
| 13-14S-W | 12-10 | ¼ | 0.54 | 0.44 | 0.96 | 0.69 | 0.040 | 0.25 | 0.135 |
| 13-14-W | 12-10 | ¼ | 0.59 | 0.44 | 0.99 | 0.69 | 0.040 | 0.25 | 0.135 |
| 13-56S-W | 12-10 | 5⁄16 | 0.54 | 0.44 | 0.96 | 0.69 | 0.040 | 0.25 | 0.135 |
| 13-56-W | 12-10 | 5⁄16 | 0.59 | 0.44 | 0.99 | 0.69 | 0.040 | 0.25 | 0.135 |
| 13-38S-W | 12-10 | ⅜ | 0.54 | 0.44 | 0.96 | 0.69 | 0.040 | 0.25 | 0.135 |
| 13-38-W | 12-10 | ⅜ | 0.59 | 0.44 | 0.99 | 0.69 | 0.040 | 0.25 | 0.135 |
| 13-716-W | 12-10 | 7⁄16 | 0.75 | 0.57 | 1.19 | 0.82 | 0.040 | 0.25 | 0.135 |
| 13-500-W | 12-10 | ½ | 0.75 | 0.57 | 1.19 | 0.82 | 0.040 | 0.25 | 0.1.5 |

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: | Brazed |
| Max. Temperature Rating: | 347˚F (175˚C) |
| Max. Current: | Same as Wire |
| Terminal Material: | ETP Copper |
| Terminal Plating: | Tin |

## Installation Information

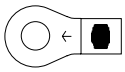
**⚠WARNING**

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-490 (ratchet style) hand tools.



Barrel Crimp (Electrical)

## 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 non-insulated, brazed seam ring, tongue terminal shall be tin-plated, annealed copper, with the tongue having a specified stud hole (size 4 thru 1/2 in.) and a brazed seam barrel with a beveled I.D. for ease of stranded wire entry, sized for a specified (AWG) wire range (22-18, 16-14, 12-10).

Non-insulated terminals shall be UL Listed and CSA Certified.

**IMPORTANT NOTICE**

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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