

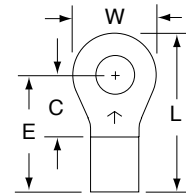


Data Sheet

3M Specialty Terminals

TRNI-R6 thru TRNI-Y12

Ring Tongue, Non-Insulated, Brazed Seam



Product Number	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.
TRNI-R6	22-18	6	0.31	0.33	0.74	0.58	0.030	0.25	0.070
TRNI-R8	22-18	8	0.31	0.33	0.74	0.58	0.030	0.25	0.070
TRNI-R10	22-18	10	0.31	0.33	0.74	0.58	0.030	0.25	0.070
TRNI-B6	16-14	6	0.31	0.33	0.74	0.58	0.030	0.25	0.090
TRNI-B8	16-14	8	0.31	0.33	0.74	0.58	0.030	0.25	0.090
TRNI-B10	16-14	10	0.31	0.33	0.74	0.58	0.030	0.25	0.090
TRNI-B14	16-14	1/4	0.56	0.40	0.93	0.65	0.030	0.25	0.090
TRNI-B56	16-14	5/16	0.56	0.40	0.93	0.65	0.030	0.25	0.090
TRNI-B38	16-14	3/8	0.56	0.40	0.93	0.65	0.030	0.25	0.090
TRNI-Y6	12-10	6	0.38	0.29	0.73	0.54	0.040	0.25	0.135
TRNI-Y8	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135
TRNI-Y10	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135
TRNI-Y14	12-10	1/4	0.59	0.44	0.99	0.69	0.040	0.25	0.135
TRNI-Y56	12-10	5/16	0.59	0.44	0.99	0.69	0.040	0.25	0.135
TRNI-Y38	12-10	3/8	0.59	0.44	0.99	0.69	0.040	0.25	0.135
TRNI-Y12	12-10	1/2	0.75	0.57	1.19	0.82	0.040	0.25	0.150



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

See Table Above
 Brazed
 347°F (175°C)
 Same as Wire
 ETP Copper
 Tin

Installation Information

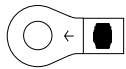
WARNING


 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-490 (ratchet style) hand tools.



 Barrel Crimp (Electrical)

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 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.

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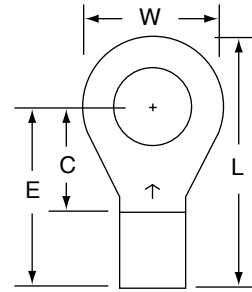


Data Sheet

3M Specialty Terminals

TRNI-810 thru TRNI-412

Ring Tongue, Non-Insulated, Brazed Seam



Product Number	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.
TRNI-810	8	10	0.47	0.40	0.95	0.72	0.050	0.31	0.175
TRNI-814	8	1/4	0.47	0.40	0.95	0.72	0.050	0.31	0.175
TRNI-856	8	5/16	0.59	0.45	1.06	0.77	0.050	0.31	0.175
TRNI-838	8	3/8	0.59	0.45	1.06	0.77	0.050	0.31	0.175
TRNI-610	6	10	0.47	0.52	1.14	0.91	0.050	0.39	0.250
TRNI-614	6	1/4	0.47	0.52	1.14	0.91	0.050	0.39	0.250
TRNI-656	6	5/16	0.63	0.52	1.22	0.91	0.050	0.39	0.250
TRNI-638	6	3/8	0.63	0.52	1.22	0.91	0.050	0.39	0.250
TRNI-414	4	1/4	0.68	0.53	1.34	1.00	0.075	0.47	0.280
TRNI-456	4	5/16	0.68	0.53	1.34	1.00	0.075	0.47	0.280
TRNI-438	4	3/8	0.68	0.53	1.34	1.00	0.075	0.47	0.280
TRNI-412	4	1/2	0.68	0.53	1.34	1.00	0.075	0.47	0.280



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3M FILE NO. E23438



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

Specifications

Wire Size:
Barrel Seam:
Max. Temperature Rating:
Max. Current:
Terminal Material:
Terminal Plating:

See Table Above
Brazed
347°F (175°C)
Same as Wire
ETP Copper
Tin

Specifications

Wire Size:	See Table Above
Barrel Seam:	Brazed
Max. Current:	Same as Wire
Terminal Material:	ETP Copper
Terminal Plating:	Tin

Installation Information

⚠ WARNING

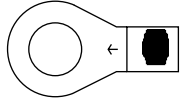
Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.


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

Strip away wire insulation:

AWG	Length
8	1/2"
6	9/16"
4	5/8"

Make the crimp in the proper station of a recommended 3M crimp tool: TH-450 (scissor style) hand tool, Thomas & Betts WT 115A, or Burndy MY29-3 tools.



 Barrel Crimp (Electrical)

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 (10, 1/4 in., 5/16 in., 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 10 thru 5/8 in.) and a brazed seam barrel with a beveled I.D. for ease of stranded wire entry, sized for a specified (AWG) wire range (8, 6, 4).

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

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