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  - Sales Contacts
  - U.S. Distributors

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3M™ Highland™ Non-Insulated Ring R14-8L, 16-14 AWG

This terminal has a wire range of 16-14 AWG and stud size of 8. It has case quantities of 10 bags per case.

GTIN(UPC/EAN) : 0 00 54007 70323 5
3M Id : 80-6105-8836-2

Additional Information

A ring is the standard style of tongue. The safest and most reliable; it cannot be removed unless mounting screw is removed.

Learn More . . .

Packaging Data

Highland Terminals R10-6 thru R18-10 - Data Sheet (PDF 20.6 K)

Highland™ Rings - Non-Insulated - Product Selection Guide (PDF 8.3 K)

Terminal Stud Size Chart - Product Selection Guide (PDF 5.2 K)

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Adobe® Acrobat® Reader is required to view PDF documents.

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Characteristics

Agency Approvals	UL and CSA
Barrel Style	Butted
China RoHS - Below MCV	Yes
CSA File Number	LR22190
EU RoHS Compliant	Yes
Stud Size	8 American Wire Gauge (AWG)
Terminal Style	Standard
Terminal Type	Ring
UL File Number	E23438

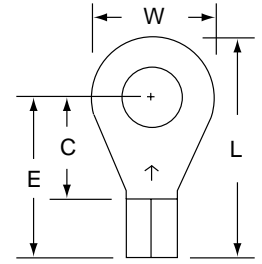| Wire Gauge Range	14 to 16 American Wire Gauge (AWG)

3M

Highland™ Terminals

R10-6 thru R18-10
Ring Tongue, Non-Insulated, Butted Seam

Data Sheet

Product Number	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.
R10-6	12-10	6	0.38	0.29	0.73	0.54	0.040	0.25	0.135
R10-8	12-10	8	0.38	0.29	0.73	0.54	0.040	0.25	0.135
R10-10	12-10	10	0.38	0.29	0.73	0.54	0.040	0.25	0.135
R10-14	12-10	¼	0.53	0.44	0.96	0.69	0.040	0.25	0.135
R14-4	16-14	4	0.25	0.22	0.60	0.47	0.030	0.25	0.090
R14-6	16-14	6	0.25	0.22	0.60	0.47	0.030	0.25	0.090
R14-8	16-14	8	0.25	0.22	0.74	0.58	0.030	0.25	0.090
R14-10	16-14	10	0.33	0.29	0.70	0.54	0.030	0.25	0.090
R18-4	22-18	4	0.25	0.22	0.60	0.47	0.030	0.25	0.070
R18-6	22-18	6	0.25	0.22	0.60	0.47	0.030	0.25	0.070
R18-8	22-18	8	0.31	0.33	0.74	0.58	0.030	0.25	0.070
R18-10	22-18	10	0.31	0.33	0.74	0.58	0.030	0.25	0.070

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
Max. Current: Same as Wire
Terminal Material: ETP Copper
Terminal Plating: Tin

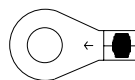## Installation Information

⚠ 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 ($\uparrow$).

The non-insulated, butted seam ring tongue terminal shall be tin-plated, annealed copper, with the tongue having a specified stud hole (size 4 thru 1/4 in.) and a butted 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.