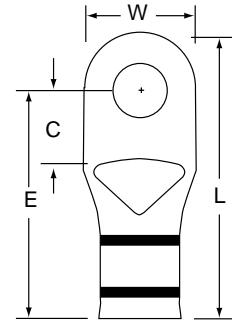# 3M

Scotchlok™ Terminals

MC2-14R thru MC250-12R
Ring Tongue, Non-Insulated, Seamless

Data Sheet

Product Number	Color Code	Wire Range (AWG)	Stud Size	W	C	L	E	Thickness	Barrel Length	Barrel I.D.
MC2-14R	Brown	2	¼	0.63	0.40	1.62	1.29	0.11	0.55	0.341
MC2-516R	Brown	2	⁵⁄₁₆	0.63	0.40	1.62	1.29	0.11	0.55	0.341
MC2-38R	Brown	2	⅜	0.78	0.46	1.75	1.35	0.11	0.55	0.341
MC1-14R	Green	1	¼	0.68	0.39	1.72	1.37	0.11	0.60	0.365
MC1-516R	Green	1	⁵⁄₁₆	0.68	0.39	1.72	1.37	0.11	0.60	0.365
MC1-38R	Green	1	⅜	0.78	0.46	1.83	1.43	0.11	0.55	0.365
MC1/0-14R	Pink	1/0	¼	0.75	0.40	1.83	1.43	0.11	0.65	0.412
MC1/0-38R	Pink	1/0	⅜	0.84	0.46	1.90	1.52	0.11	0.65	0.412
MC1/0-12R	Pink	1/0	½	0.84	0.46	1.90	1.52	0.11	0.65	0.412
MC2/0-14R	Black	2/0	¼	0.83	0.50	2.09	1.63	0.11	0.68	0.466
MC2/0-38R	Black	2/0	⅜	0.83	0.50	2.09	1.63	0.11	0.68	0.466
MC2/0-12R	Black	2/0	½	0.83	0.50	2.09	1.63	0.11	0.68	0.466
MC3/0-38R	Orange	3/0	⅜	0.92	0.50	2.16	1.69	0.12	0.70	0.516
MC3/0-12R	Orange	3/0	½	0.92	0.50	2.16	1.69	0.12	0.70	0.516
MC4/0-38R	Purple	4/0	⅜	1.00	0.54	2.35	1.84	0.13	0.73	0.564
MC4/0-12R	Purple	4/0	½	1.00	0.54	2.35	1.84	0.13	0.73	0.564
MC250-38R	Yellow	250 kcmil	⅜	1.05	0.54	2.39	1.86	0.13	0.73	0.595
MC250-12R	Yellow	250 kcmil	½	1.05	0.54	2.39	1.86	0.13	0.73	0.595

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

CANADIAN STANDARDS
ASSOCIATION
STANDARD NO. 22.2
NO. 0, 65
3M FILE NO. LR22190

Specifications

Wire Size:	See Table Above
Barrel Seam:	Seamless
Maximum Current:	Same as Wire
Terminal Material:	ETP Copper
Terminal Plating:	Tin

Installation Information

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

One crimp with the proper tool and dies, centered between stripes on the barrel, secures the inserted stripped conductor.

■ Barrel Crimp (Required)

Wire Size AWG or MCM	Wire Insulation Strip Length Inches	Crimp Tool & Dies		
		Burndy MY29-3	T & B TBM5	AET 406
		Scale Setting	Die Color	Die Insert
2	9/16	2	Brown	C
1	5/8	1	Green	C
1/0	11/16	1/0	Pink	B
2/0	11/16	2/0	Black	B
3/0	3/4	3/0	Orange	none
4/0	3/4	4/0	Purple	none
250	3/4	250	Purple	----

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 connector line shall offer barrel variations in wire (AWG or MCM) size (#2 to 250 MCM). The connectors shall be marked with the wire range and manufacturer's symbol (↑) and catalog number.

The non-insulated, seamless ring tongue terminal shall be tin-plated, annealed copper, with the tongue having a specified stud hole (¼″ thru ½″) and a seamless barrel with a beveled I.D. for ease of stranded wire entry, sized for a specified (AWG) wire range (2 AWG thru 250 MCM).