

# 3M™ Scotchlok™ Copper Compression Lugs, 30000 and 31000 Series



Data Sheet

October 2018

## Description

3M Scotchlok Copper Compression Lugs are one-piece, seamless copper and are designed to cover a wide range of conductor sizes. They are available in one-hole, standard-barrel and one-hole and two-hole long-barrel versions:

- Scotchlok lug 30000 Series are one-hole, standard-barrel length lugs and are designed to cover conductor sizes from 6 AWG through 4/0 AWG.
- The Scotchlok lug 31000 Series consists of:
  - one-hole, long-barrel length lugs designed to cover conductor sizes from 2/0 AWG through 600 kcmil (MCM) and,
  - two-hole, long-barrel length lugs designed to cover conductor sizes from 4/0 AWG through 1000 kcmil (MCM)

They are designed to terminate copper conductors. Each lug is electro-tin plated to resist electrolytic corrosion. The lugs are installed using standard industry tooling. Chamfered ends ensure simplicity and ease of conductor insertion.

## Agency Approvals and Self Certifications

UL Listed, UL Standard 486A-486B, File No. E23438

CSA Certified, File No. 015503

## Features

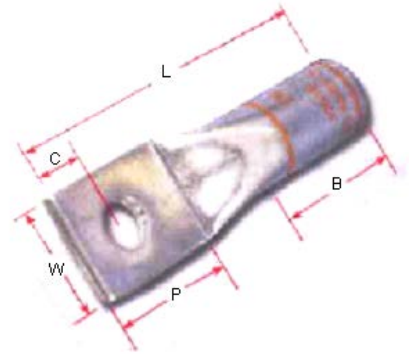
- Simple installation using readily available tools
- Manufactured using tin-plated copper
- Color coded printing for easy lug identification
- The center-of-hole to center-of-hole spacing of the mounting holes meets the NEMA® Standard of 1.75" (44,5 mm)

## Applications

- One-Hole, Standard-Barrel: To terminate copper conductors from 6 AWG through 4/0 AWG
- One-Hole, Long-Barrel: To terminate copper conductors from 2/0 AWG through 600 kcmil (MCM)
- Two-Hole, Long-Barrel: To terminate copper conductors from 4/0 AWG through 1000 kcmil (MCM)
- For low and medium voltage up to 35 kV
- For indoor and outdoor use

# 3M™ Scotchlok™ Copper Compression Lugs, 30000 and 31000 Series

One-Hole, Standard-Barrel Lug Dimensions and Selection Guide  
[Dimensions in Inches and (Millimeters)]

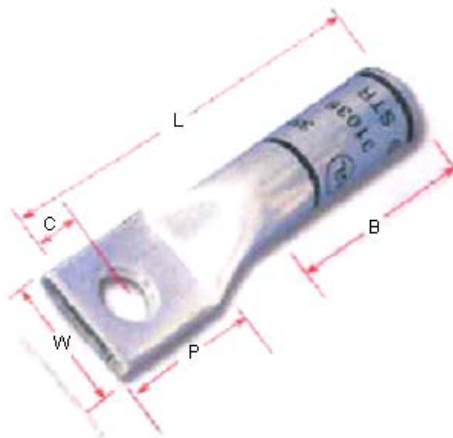


**NOTE:** All listed lugs in this table are UL Listed and CSA Certified

| 3M™<br>Scotchlok™<br>Lug Number | Lug Size<br>AWG | Stud<br>Size | Color<br>Code | I.D., +/-<br>.010" | O.D.,<br>+/-<br>.010" | L,<br>Length,<br>+/- .10" | B, Barrel<br>Length,<br>+/- .060" | P, Pad<br>Length,<br>+/- .060" | W, Pad<br>Width,<br>+/-<br>.060" | C, Center<br>of Hole-to-<br>End of Pad,<br>+/- .030" |
|---------------------------------|-----------------|--------------|---------------|--------------------|-----------------------|---------------------------|-----------------------------------|--------------------------------|----------------------------------|------------------------------------------------------|
| 30014                           | 6 AWG           | #10<br>(5)   | Blue          | .196<br>(5,0)      | .290<br>(7,37)        | 1.78<br>(45,2)            | .86 (21,8)                        | .75 (19,1)                     | .435<br>(11,0)                   | .375 (9,53)                                          |
| 30015                           | 6 AWG           | 1/4<br>(6)   | Blue          | .196<br>(5,0)      | .290<br>(7,37)        | 1.78<br>(45,2)            | .86 (21,8)                        | .75 (19,1)                     | .435<br>(11,0)                   | .375 (9,53)                                          |
| 30016                           | 6 AWG           | 5/16<br>(8)  | Blue          | .196<br>(5,0)      | .290<br>(7,37)        | 1.78<br>(45,2)            | .86 (21,8)                        | .75 (19,1)                     | .50<br>(12,7)                    | .375 (9,53)                                          |
| 30018                           | 4 AWG           | #10<br>(5)   | Gray          | .247<br>(6,3)      | .340<br>(8,64)        | 1.94<br>(49,3)            | .75 (19,1)                        | .89 (22,6)                     | .485<br>(12,3)                   | .375 (9,53)                                          |
| 30019                           | 4 AWG           | 1/4<br>(6)   | Gray          | .247<br>(6,3)      | .340<br>(8,64)        | 1.94<br>(49,3)            | .75 (19,1)                        | .89 (22,6)                     | .485<br>(12,3)                   | .375 (9,53)                                          |
| 30021                           | 4 AWG           | 3/8<br>(10)  | Gray          | .247<br>(6,3)      | .340<br>(8,64)        | 1.94<br>(49,3)            | .75 (19,1)                        | .89 (22,6)                     | .59<br>(15,1)                    | .375 (9,53)                                          |
| 30022                           | 2 AWG           | 1/4<br>(6)   | Brown         | .307<br>(7,8)      | .416<br>(10,57)       | 1.97<br>(50,0)            | .81 (20,7)                        | .89 (22,6)                     | .63<br>(15,9)                    | .375 (9,53)                                          |
| 30023                           | 2 AWG           | 5/16<br>(8)  | Brown         | .307<br>(7,8)      | .416<br>(10,57)       | 1.97<br>(50,0)            | .81 (20,7)                        | .89 (22,6)                     | .63<br>(15,9)                    | .375 (9,53)                                          |
| 30024                           | 2 AWG           | 3/8<br>(10)  | Brown         | .307<br>(7,8)      | .416<br>(10,57)       | 1.97<br>(50,0)            | .81 (20,7)                        | .89 (22,6)                     | .63<br>(15,9)                    | .375 (9,53)                                          |
| 30027                           | 1 AWG           | 5/16<br>(8)  | Green         | .358<br>(9,1)      | .462<br>(11,7)        | 1.97<br>(50,0)            | .81 (20,7)                        | .75 (19,1)                     | .69<br>(17,5)                    | .375 (9,53)                                          |
| 30028                           | 1 AWG           | 3/8<br>(10)  | Green         | .358<br>(9,1)      | .462<br>(11,7)        | 1.97<br>(50,0)            | .81 (20,7)                        | .75 (19,1)                     | .69<br>(17,5)                    | .375 (9,53)                                          |
| 30031                           | 1/0 AWG         | 5/16<br>(8)  | Pink          | .394<br>(10,0)     | .512<br>(13,0)        | 2.16<br>(54,9)            | .81 (20,7)                        | .89 (22,6)                     | .75<br>(19,1)                    | .375 (9,53)                                          |
| 30032                           | 1/0 AWG         | 3/8<br>(10)  | Pink          | .394<br>(10,0)     | .512<br>(13,0)        | 2.16<br>(54,9)            | .81 (20,7)                        | .89 (22,6)                     | .75<br>(19,1)                    | .375 (9,53)                                          |
| 30036                           | 2/0 AWG         | 3/8<br>(10)  | Black         | .439<br>(11,2)     | .560<br>(14,2)        | 2.37<br>(60,2)            | .87 (22,2)                        | 1.11 (28,2)                    | .81<br>(20,7)                    | .375 (9,53)                                          |
| 30041                           | 3/0 AWG         | 1/2<br>(12)  | Orange        | .490<br>(12,4)     | .617<br>(15,7)        | 2.63<br>(66,8)            | .94 (23,8)                        | 1.11 (28,2)                    | .91<br>(23,0)                    | .531 (13,5)                                          |
| 30045                           | 4/0 AWG         | 1/2<br>(12)  | Purple        | .548<br>(13,9)     | .687<br>(17,4)        | 2.60<br>(65,9)            | .97 (24,6)                        | 1.11 (28,2)                    | 1.00<br>(25,4)                   | .531 (13,5)                                          |

# 3M™ Scotchlok™ Copper Compression Lugs, 30000 and 31000 Series

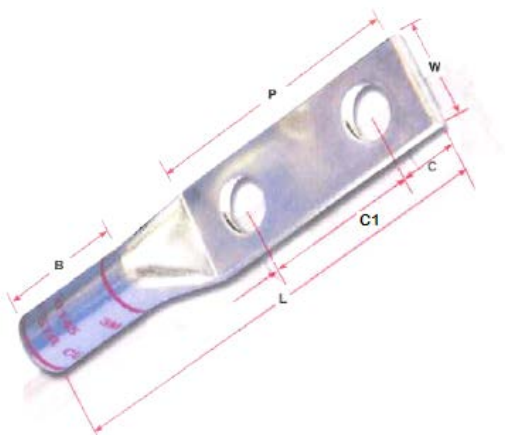
## One Hole, Long-Barrel Lug Dimensions and Selection Guide [Dimensions in Inches and (Millimeters)]



| 3M™<br>Scotchlok™<br>Lug Number | Conductor<br>Size AWG<br>or kcmil<br>(MCM) | Stud<br>Size | Color<br>Code | I.D., +/-<br>.010" | O.D.,<br>+/-<br>.010" | L, Length,<br>+/- .10" | B, Barrel<br>Length,<br>+/- .060" | P, Pad<br>Length,<br>+/- .060" | W, Pad<br>Width,<br>+/- .060" | C, Center<br>of Hole-<br>to-End of<br>Pad, +/-<br>.030" | Agency<br>Approvals |
|---------------------------------|--------------------------------------------|--------------|---------------|--------------------|-----------------------|------------------------|-----------------------------------|--------------------------------|-------------------------------|---------------------------------------------------------|---------------------|
| 31036                           | 2/0 AWG                                    | 3/8<br>(10)  | Black         | .439<br>(11,2)     | .560<br>(14,2)        | 2.84 (72,2)            | 1.44<br>(36,5)                    | .89 (22,6)                     | .810<br>(20,6)                | .375<br>(9,53)                                          | UL, CSA             |
| 31041                           | 3/0 AWG                                    | 1/2<br>(12)  | Orange        | .490<br>(12,4)     | .617<br>(15,7)        | 3.13 (79,5)            | 1.44<br>(36,5)                    | 1.11 (28,2)                    | .910<br>(23,1)                | .531 (13,5)                                             | UL, CSA             |
| 31045                           | 4/0 AWG                                    | 1/2<br>(12)  | Purple        | .548<br>(13,9)     | .687<br>(17,4)        | 3.32 (84,4)            | 1.56<br>(39,7)                    | 1.11 (28,2)                    | 1.00<br>(25,4)                | .531 (13,5)                                             | UL, CSA             |
| 31049                           | 250 kcmil                                  | 1/2<br>(12)  | Yellow        | .595<br>(15,1)     | .750<br>(19,1)        | 3.38 (85,9)            | 1.50<br>(38,0)                    | 1.11 (28,2)                    | 1.11 (28,2)                   | .531 (13,5)                                             | UL, CSA             |
| 31053                           | 300 kcmil                                  | 1/2<br>(12)  | White         | .650<br>(16,5)     | .813<br>(20,6)        | 3.78 (96,0)            | 1.94<br>(49,2)                    | 1.11 (28,2)                    | 1.22 (31,3)                   | .531 (13,5)                                             | UL, CSA             |
| 31056                           | 350 kcmil                                  | 1/2<br>(12)  | Red           | .700<br>(17,8)     | .875<br>(22,2)        | 3.84 (97,5)            | 1.94<br>(49,2)                    | 1.11 (28,2)                    | 1.27<br>(32,3)                | .531 (13,5)                                             | UL, CSA             |
| 31060                           | 400 kcmil                                  | 1/2<br>(12)  | Blue          | .762<br>(19,3)     | .950<br>(24,1)        | 4.16<br>(105,7)        | 2.00<br>(50,8)                    | 1.34<br>(34,2)                 | 1.41<br>(35,8)                | .66 (16,8)                                              | UL                  |
| 31066                           | 500 kcmil                                  | 1/2<br>(12)  | Brown         | .836<br>(21,3)     | 1.059<br>(26,9)       | 4.50<br>(114,3)        | 2.19<br>(55,6)                    | 1.34<br>(34,2)                 | 1.53<br>(38,9)                | .66 (16,8)                                              | UL, CSA             |
| 31067                           | 500 kcmil                                  | 5/8<br>(16)  | Brown         | .836<br>(21,3)     | 1.059<br>(26,9)       | 4.50<br>(114,3)        | 2.19<br>(55,6)                    | 1.34<br>(34,2)                 | 1.53<br>(38,9)                | .66 (16,8)                                              | UL, CSA             |
| 31068                           | 600 kcmil                                  | 1/2<br>(12)  | Green         | .923<br>(23,4)     | 1.188<br>(30,2)       | 5.12<br>(130,0)        | 2.60<br>(66,0)                    | 1.75<br>(44,5)                 | 1.69<br>(42,9)                | .88 (22,4)                                              | UL                  |

# 3M™ Scotchlok™ Copper Compression Lugs, 30000 and 31000 Series

## Two Hole, Long-Barrel Lug Dimensions and Selection Guide [Dimensions in Inches and (Millimeters)]



| 3M™ Scotchlok™ Lug Number | Conductor Size AWG or kcmil (MCM) | Stud Size | Color Code | I.D., +/- .010" | O.D., +/- .010" | L, Length, +/- .100" | B, Barrel Length, +/- .100" | P, Pad Length, +/- .060" | W, Pad Width, +/- .060" | C, Center of Hole-to-End of Pad, +/- .030" | C1, Hole-to-Hole, Center -to-Center, +/- .015" | Agency Approvals |
|---------------------------|-----------------------------------|-----------|------------|-----------------|-----------------|----------------------|-----------------------------|--------------------------|-------------------------|--------------------------------------------|------------------------------------------------|------------------|
| 31145                     | 4/0 AWG                           | 1/2 (12)  | Purple     | .548 (13,9)     | .687 (17,4)     | 5.16 (131,1)         | 1.56 (39,6)                 | 3.00 (76,2)              | 1.00 (25,4)             | .63 (16,0)                                 | 1.75 (44,5)                                    | UL, CSA          |
| 31149                     | 250 kcmil                         | 1/2 (12)  | Yellow     | .595 (15,1)     | .750 (19,1)     | 5.31 (134,9)         | 1.56 (39,6)                 | 3.00 (76,2)              | 1.13 (28,7)             | .63 (16,0)                                 | 1.75 (44,5)                                    | UL, CSA          |
| 31153                     | 300 kcmil                         | 1/2 (12)  | White      | .650 (16,5)     | .813 (20,7)     | 5.75 (146,1)         | 1.94 (49,2)                 | 3.00 (76,2)              | 1.22 (31,0)             | .63 (16,0)                                 | 1.75 (44,5)                                    | UL, CSA          |
| 31156                     | 350 kcmil                         | 1/2 (12)  | Red        | .700 (17,8)     | .875 (22,2)     | 5.75 (146,1)         | 1.94 (49,2)                 | 3.00 (76,2)              | 1.31 (33,3)             | .63 (16,0)                                 | 1.75 (44,5)                                    | UL, CSA          |
| 31160                     | 400 kcmil                         | 1/2 (12)  | Blue       | .762 (19,4)     | .950 (24,1)     | 6.00 (152,4)         | 2.12 (53,8)                 | 3.00 (76,2)              | 1.41 (35,8)             | .63 (16,0)                                 | 1.75 (44,5)                                    | UL               |
| 31166                     | 500 kcmil                         | 1/2 (12)  | Brown      | .836 (21,2)     | 1.059 (26,9)    | 6.16 (156,5)         | 2.19 (55,6)                 | 3.00 (76,2)              | 1.53 (38,9)             | .63 (16,0)                                 | 1.75 (44,5)                                    | UL, CSA          |
| 31168                     | 600 kcmil                         | 1/2 (12)  | Green      | .923 (23,4)     | 1.188 (30,2)    | 6.72 (170,6)         | 2.62 (66,5)                 | 3.00 (76,2)              | 1.69 (42,9)             | .63 (16,0)                                 | 1.75 (44,5)                                    | UL               |
| 31172                     | 750 kcmil                         | 1/2 (12)  | Black      | 1.031 (26,2)    | 1.299 (33,0)    | 7.00 (177,8)         | 2.81 (71,4)                 | 3.00 (76,2)              | 1.72 (43,7)             | .63 (16,0)                                 | 1.75 (44,5)                                    | UL, CSA          |
| 31178                     | 1000 kcmil                        | 1/2 (12)  | White      | 1.173 (29,8)    | 1.500 (38,1)    | 7.28 (184,9)         | 2.94 (74,6)                 | 3.00 (76,2)              | 1.72 (43,7)             | .63 (16,0)                                 | 1.75 (44,5)                                    | UL, CSA          |

### Typical Properties

Not for specifications. Values are typical, not to be considered minimum or maximum. Properties measured at room temperature 73°F (23°C) unless otherwise stated.

3M Scotchlok Copper Compression Lugs, 30000 and 31000 Series, when crimped with approved die sets, can be used on cables with an operating temperature of 221°F (105°C) and an emergency overload rating of 284°F (140°C). The lugs pass the requirements of UL486A (Underwriters Laboratories standard for safety) and are CSA Certified (as indicated in the above tables). The current rating of these lugs meets or exceeds the current rating of the conductor size for which it is intended.

# 3M™ Scotchlok™ Copper Compression Lugs, 30000 and 31000 Series

## Tool/Installation Information

Lugs shall be crimped with one of the approved die sets according to the engineering information supplied with the lugs. (Also see Crimping Tool-Die Sets tables below).  
If different crimping tools and die sets are used, consult the tool and die manufacturer.

## Crimping Tool Recommendations

One-Hole, Standard-Barrel Lug Crimping Tool – Die Sets (Minimum # of Crimps)

| 3M™<br>Scotchlok™<br>Lug Number | Conductor<br>Size<br>AWG or<br>kcmil (MCM) | Burndy Corporation |              |          |                         | Thomas & Betts Corporation |            |         | Square D Co.<br>Anderson Div. |
|---------------------------------|--------------------------------------------|--------------------|--------------|----------|-------------------------|----------------------------|------------|---------|-------------------------------|
|                                 |                                            | MD6                | MY29         | Y34A     | Y35, Y39,<br>Y45*, Y46* | TBM5                       | TBM 8      | TBM15   | VC6-3,<br>VC6-FT**            |
| 30014                           | 6 AWG                                      | -----              | 6 AWG<br>(1) | -----    | U5CRT (1)               | Blue (1)                   | Blue (1)   | --- --- | Universal (1)                 |
| 30015                           | 6 AWG                                      | -----              | 6 AWG<br>(1) | -----    | U5CRT (1)               | Blue (1)                   | Blue (1)   | --- --- | Universal (1)                 |
| 30016                           | 6 AWG                                      | -----              | 6 AWG<br>(1) | -----    | U5CRT (1)               | Blue (1)                   | Blue (1)   | --- --- | Universal (1)                 |
| 30018                           | 4 AWG                                      | W161 (1)           | 4 AWG<br>(1) | A4CR (1) | U4CRT (1)               | Gray (1)                   | Gray (1)   | -----   | Universal (1)                 |
| 30019                           | 4 AWG                                      | W161 (1)           | 4 AWG<br>(1) | A4CR (1) | U4CRT (1)               | Gray (1)                   | Gray (1)   | -----   | Universal (1)                 |
| 30021                           | 4 AWG                                      | W161 (1)           | 4 AWG<br>(1) | A4CR (1) | U4CRT (1)               | Gray (1)                   | Gray (1)   | -----   | Universal (1)                 |
| 30022                           | 2 AWG                                      | W162 (2)           | 2 AWG<br>(1) | A2CR (1) | U2CRT (2)               | Brown (1)                  | Brown (1)  | 33 (1)  | Universal (2)                 |
| 30023                           | 2 AWG                                      | W162 (2)           | 2 AWG<br>(1) | A2CR (1) | U2CRT (2)               | Brown (1)                  | Brown (1)  | 33 (1)  | Universal (2)                 |
| 30024                           | 2 AWG                                      | W162 (2)           | 2 AWG<br>(1) | A2CR (1) | U2CRT (2)               | Brown (1)                  | Brown (1)  | 33 (1)  | Universal (2)                 |
| 30027                           | 1 AWG                                      | -----              | 1 AWG<br>(1) | A1CR (1) | U1CRT (2)               | Green (1)                  | Green (1)  | 37 (1)  | Universal (2)                 |
| 30028                           | 1 AWG                                      | -----              | 1 AWG<br>(1) | A1CR (1) | U1CRT (2)               | Green (1)                  | Green (1)  | 37 (1)  | Universal (2)                 |
| 30031                           | 1/0 AWG                                    | W163 (2)           | 1/0 (1)      | A25R (1) | U25RT (1)               | Pink (2)                   | Pink (2)   | 42H (2) | Universal (1)                 |
| 30032                           | 1/0 AWG                                    | W163 (2)           | 1/0 (1)      | A25R (1) | U25RT (1)               | Pink (2)                   | Pink (2)   | 42H (2) | Universal (1)                 |
| 30036                           | 2/0 AWG                                    | W241 (2)           | 2/0 (1)      | A26R (1) | U26RT (2)               | Black (2)                  | Black (2)  | 45 (1)  | Universal (1)                 |
| 30041                           | 3/0 AWG                                    | W243 (2)           | 3/0 (1)      | A27R (1) | U27RT (2)               | Orange (2)                 | Orange (2) | 50 (1)  | Universal (2)                 |
| 30045                           | 4/0 AWG                                    | BG (3)             | 4/0 (1)      | A28R (2) | U28RT (2)               | Purple (2)                 | Purple (2) | 54H (2) | Universal (2)                 |

\* Y45 and Y46 accept all Y35 dies ("U" series). For Y45 use PT6515 adapter. For Y46 use PUADP adapter.

\*\* Anderson VC6-3 and VC6-FT require no die set.

# 3M™ Scotchlok™ Copper Compression Lugs, 30000 and 31000 Series

## One-Hole, Long-Barrel Lug Crimping Tool – Die Sets (Minimum # of Crimps)

| 3M™<br>Scotchlok™<br>Lug Number | Conductor<br>Size<br>AWG or<br>kcmil<br>(MCM) | Burndy Corporation |         |          |                         | Thomas & Betts Corporation |            |         | Square D Co.<br>Anderson Div. |
|---------------------------------|-----------------------------------------------|--------------------|---------|----------|-------------------------|----------------------------|------------|---------|-------------------------------|
|                                 |                                               | MD6                | MY29    | Y34A     | Y35, Y39,<br>Y45*, Y46* | TBM5                       | TBM 8      | TBM15   | VC6-3,<br>VC6-FT**            |
| 31036                           | 2/0 AWG                                       | W241 (3)           | 2/0 (2) | A26R (2) | U26RT (3)               | Black (3)                  | Black (3)  | 45 (2)  | Universal (2)                 |
| 31041                           | 3/0 AWG                                       | W243 (3)           | 3/0 (2) | A27R (2) | U27RT (3)               | Orange (3)                 | Orange (3) | 50 (2)  | Universal (3)                 |
| 31045                           | 4/0 AWG                                       | BG (4)             | 4/0 (2) | A28R (2) | U28RT (3)               | Purple (3)                 | Purple (3) | 54H (3) | Universal (3)                 |
| 31049                           | 250 kcmil                                     | W166 (4)           | 250 (2) | A29R (2) | U29RT (3)               | Yellow (2)                 | Yellow (2) | 62 (2)  | Universal (2)                 |
| 31053                           | 300 kcmil                                     | -----              | -----   | A30R (2) | U30RT (3)               | -----                      | White (3)  | 66 (3)  | Universal (3)                 |
| 31056                           | 350 kcmil                                     | -----              | -----   | A31R (2) | U31RT (3)               | -----                      | Red (4)    | 71H (4) | -----                         |
| 31060                           | 400 kcmil                                     | -----              | -----   | A32R (2) | U32RT (3)               | -----                      | Blue (4)   | 76H (4) | -----                         |
| 31066                           | 500 kcmil                                     | -----              | -----   | A34R (2) | U34RT (3)               | -----                      | Brown (4)  | 87H (4) | -----                         |
| 31067                           | 500 kcmil                                     | -----              | -----   | A34R (2) | U34RT (3)               | -----                      | Brown (4)  | 87H (4) | -----                         |
| 31068                           | 600 kcmil                                     | -----              | -----   | -----    | U36RT (3)               | -----                      | Green (4)  | 94H (4) | -----                         |

\* Y45 and Y46 accept all Y35 dies ("U" series). For Y45 use PT6515 adapter. For Y46 use PUADP adapter.

\*\* Anderson VC6-3 and VC6-FT require no die set.

## Two-Hole, Long-Barrel Lug Crimping Tool – Die Sets ( Minimum # of Crimps)

| 3M™<br>Scotchlok™<br>Lug Number | Conductor<br>Size<br>AWG or<br>kcmil (MCM) | Burndy Corporation |            |          |                                        | Thomas & Betts Corporation |            |          | Square D Co.<br>Anderson Div. |
|---------------------------------|--------------------------------------------|--------------------|------------|----------|----------------------------------------|----------------------------|------------|----------|-------------------------------|
|                                 |                                            | MD6                | MY29       | Y34A     | Y35, Y39,<br>Y45*, Y46*                | TBM5                       | TBM 8      | TBM15    | VC6-3,<br>VC6-FT**            |
| 31145                           | 4/0 AWG                                    | BG (4)             | 4/0 (2)    | A28R (2) | U28RT (3)                              | Purple (3)                 | Purple (3) | 54H (3)  | Universal (3)                 |
| 31149                           | 250 kcmil                                  | W166 (4)           | 250<br>(2) | A29R (2) | U29RT (3)                              | Yellow (2)                 | Yellow (2) | 62 (2)   | Universal (2)                 |
| 31153                           | 300 kcmil                                  | -----              | -----      | A30R (2) | U30RT (3)                              | -----                      | White (3)  | 66 (3)   | Universal (3)                 |
| 31156                           | 350 kcmil                                  | -----              | -----      | A31R (2) | U31RT (3)                              | -----                      | Red (4)    | 71H (4)  | -----                         |
| 31160                           | 400 kcmil                                  | -----              | -----      | A32R (2) | U32RT (3)                              | -----                      | Blue (4)   | 76H (4)  | -----                         |
| 31166                           | 500 kcmil                                  | -----              | -----      | A34R (2) | U34RT (3)                              | -----                      | Brown (4)  | 87H (4)  | -----                         |
| 31168                           | 600 kcmil                                  | -----              | -----      | -----    | U36RT (3)                              | -----                      | Green (4)  | 94H (4)  | -----                         |
| 31172                           | 750 kcmil                                  | -----              | -----      | -----    | Y39, Y45,<br>Y46:<br>U39RT (5)         | -----                      | -----      | 106H (4) | -----                         |
| 31178                           | 1000 kcmil                                 | -----              | -----      | -----    | Y45: S44RT<br>(6)<br>Y46: P44RT<br>(6) | -----                      | -----      | 125H (4) | -----                         |

\* Y45 and Y46 accept all Y35 dies ("U" series). For Y45 use PT6515 adapter. For Y46 use PUADP adapter.

\*\* Anderson VC6-3 and VC6-FT require no die set

# 3M™ Scotchlok™ Copper Compression Lugs, 30000 and 31000 Series

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| <b>Storage</b> | Components of the lugs are not impaired by freezing or overheating due to ambient temperatures found in typical storage or shipping. Normal stock rotation procedures are recommended. |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b> | Please contact your local distributor; available from 3M.com/electrical, Purchasing Information (at bottom of website page), then choose your Market (Construction and Industrial, Electrical Utility or Electrical & Electronics OEM) or call 1.800.245.3573. |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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## Electrical Markets Division

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