



# Cold Shrink Silicone Rubber Termination QT-III

## (With High-K Stress Relief)

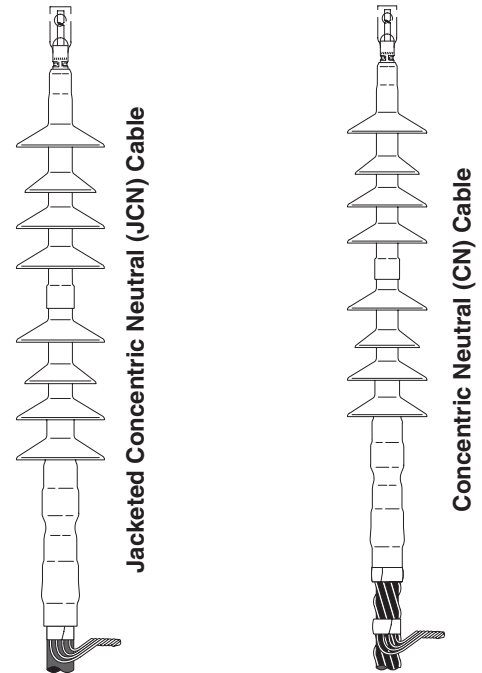
### Instructions

#### IEEE Std. No. 48-1990

Class 1 Termination  
35 kV Class  
200 kV BIL

#### Kit Contents:

- 1 Hi-K, Tracking Resistant, Silicone Rubber Termination
- 2 Strips Sealing Mastic (black with white release liners, bagged)
- 1 Instruction Sheet

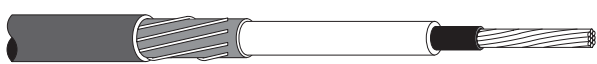
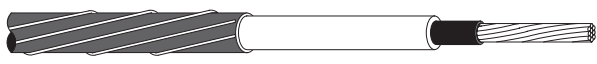


#### Kit Selection Chart

NOTE: Final Determination Factor is cable insulation diameter.

| Kit Number | Primary Insulation O.D. Range     | Jacket O.D. Range                 | Conductor Size Range (AWG & kcmil)              |  |  |
|------------|-----------------------------------|-----------------------------------|---|--|--|
|            |                                   |                                   | 15 kV   | 25/28 kV                                       | 35 kV                                      |
| 7664-S-8   | 0.83" – 1.53"<br>(21,1 – 38,9 mm) | 1.12" – 1.87"<br>(28,4 – 47,5 mm) | 4/0 – 500 kcmil<br>(120 – 240 mm <sup>2</sup> ) | 2/0 – 250 kcmil<br>(70 – 150 mm <sup>2</sup> ) | 2 – 4/0 AWG<br>(35 – 120 mm <sup>2</sup> ) |

Table 1

|   |  |
|---|--|
| <br><b>Jacketed Concentric Neutral (JCN)</b><br><i>(pages 2 – 5)</i>   | <b>3M™ Silicone Rubber Outdoor Skirted Termination Kit QT-III for Jacketed Concentric Neutral (JCN) Cable and Concentric Neutral (CN) Cable</b><br><b>7664-S-8</b> |
| <br><b>Concentric Neutral (CN)</b><br><i>(pages 6 – 9)</i>   |  |
| <b>78-8119-6024-0</b>   |  |
| <b>⚠ CAUTION</b><br>Working around energized high-voltage systems may cause serious injury or death. Installation should be performed by personnel familiar with good safety practice in handling high-voltage electrical equipment. De-energize and ground all electrical systems before installing product. |  |
|   | APP.: D. Reisem  |
| NUMBER OF PAGES: 12   | SCALE: Not to scale  |
| ISSUE DATE: 1/22/04   | ISSUE: B   |

# Instructions for Jacketed Concentric Neutral (JCN) Cable

## A. Prepare Cable

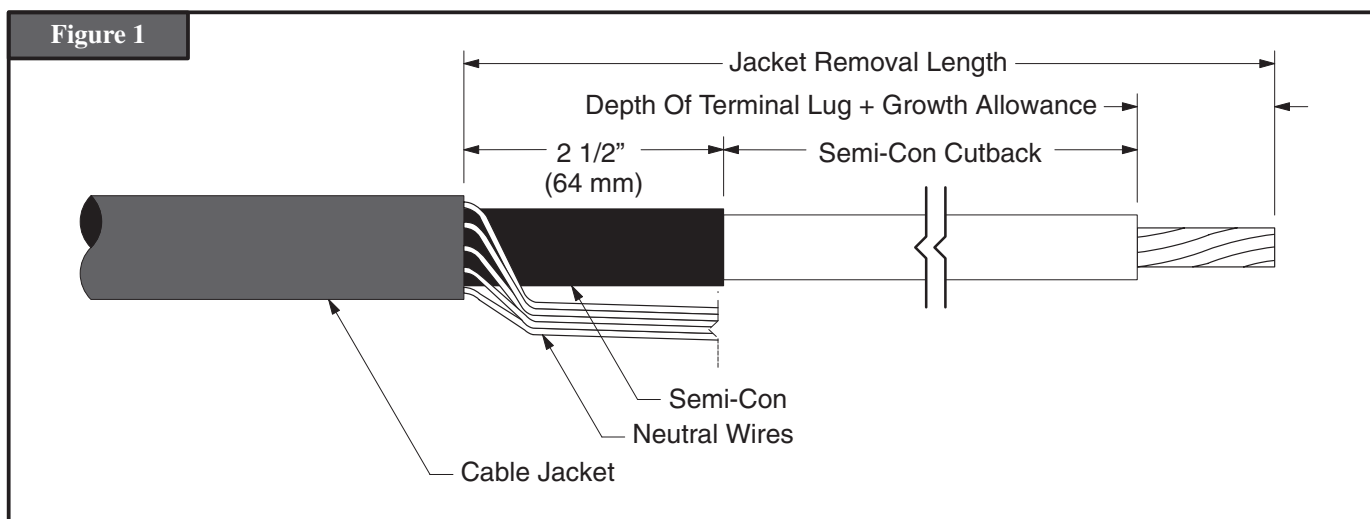
1. Check to be sure cable size fits within kit size range as shown in *Table 1* (cover page).
2. Train cable into position and cut to length required for installation. Allow sufficient neutral wire length for grounding connection.
3. Prepare cable using dimensions shown in (*Figure 1*) refer to (*Table 2*) for semi-con cutback dimension. **Be sure to allow for depth of terminal lug.**

| Kit Number | Insulation O.D.                   | 15 kV<br>AWG / kcmil                      | 25/28 kV<br>AWG / kcmil                   | 35 kV<br>AWG / kcmil                     | Semi-Con Cutback    |
|------------|-----------------------------------|---|---|--|---------------------|
| 7664-S-8   | 0.83" – 1.21"<br>(21,1 – 30,7 mm) | 4/0 – 300<br>(120 – 150 mm <sup>2</sup> ) | 2/0 – 3/0<br>(70 – 95 mm <sup>2</sup> )   | 2 – 2/0<br>(35 – 70 mm <sup>2</sup> )    | 13.5"<br>(342,9 mm) |
|            | 0.98" – 1.53"<br>(24,9 – 38,9 mm) | 350 – 500<br>(185 – 240 mm <sup>2</sup> ) | 4/0 – 250<br>(120 – 150 mm <sup>2</sup> ) | 3/0 – 4/0<br>(95 – 120 mm <sup>2</sup> ) | 13.0"<br>(330,2 mm) |

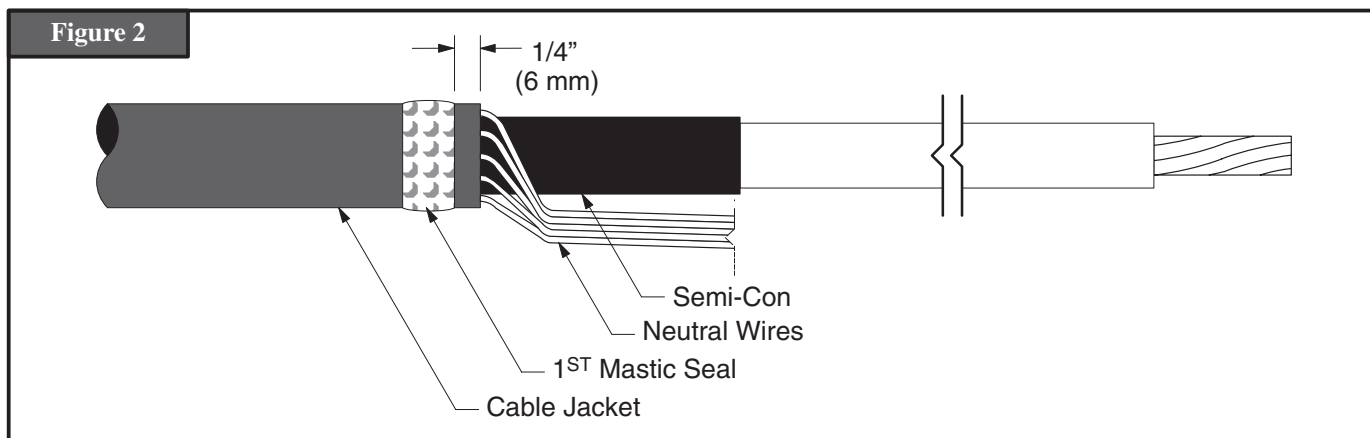
Table 2

**NOTE: Provide additional exposed conductor distance to account for growth during crimping of ALUMINUM lugs or connectors as follows:**

| Aluminum Lug Growth Allowance | 2 – 350<br>1/4" (6 mm) | 400 – 650<br>3/8" (10 mm) |
|-------------------------------|------------------------|---------------------------|
|-------------------------------|------------------------|---------------------------|



4. Select one of two mastic strips from kit and remove white release liners. Using light tension apply a single wrap of mastic around the cable jacket 1/4" (6 mm) from cut edge (*Figure 2*). Cut off excess.

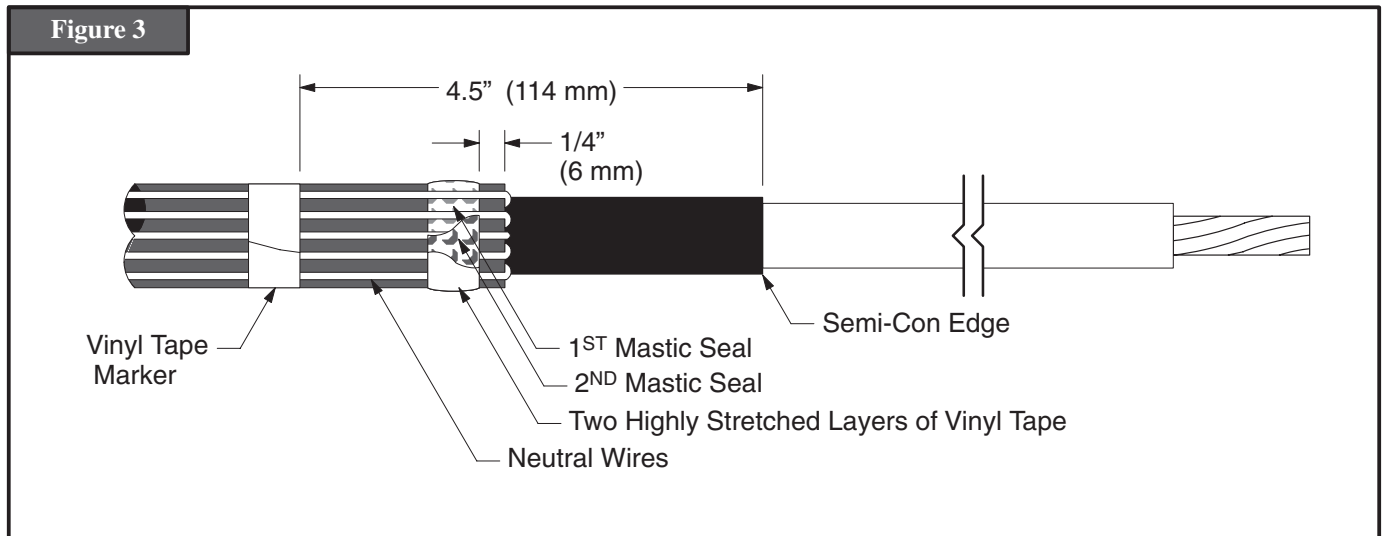


## A. Prepare Cable (continued)

5. Bend neutral wires back over applied sealing mastic and secure to cable jacket 4.5" (114 mm), below cable semi-con edge using vinyl tape (*Figure 3*).

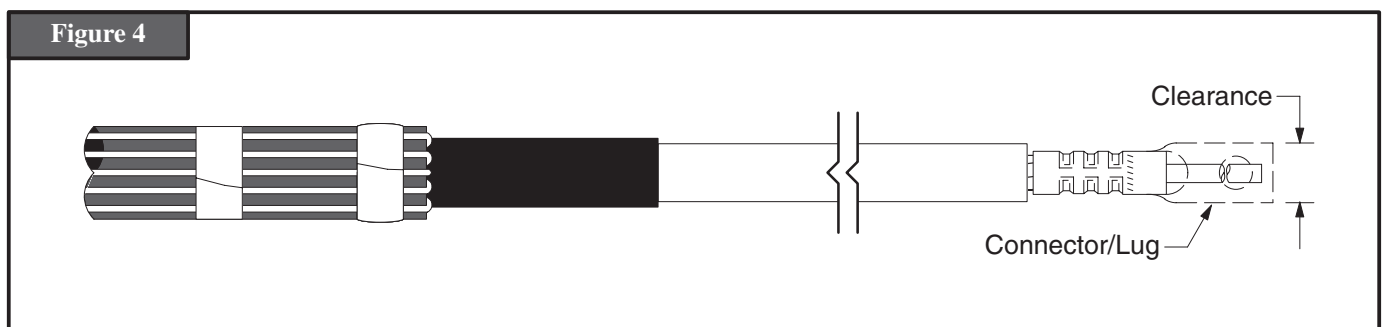
**NOTE: Position vinyl tape with care, it also serves as a marker for positioning the termination.**

6. Select second mastic strip from kit and remove white release liners. Apply a second mastic band over the neutral wires and previously applied mastic (*Figure 3*). Cut off excess.
7. Compress neutral wires into mastic by over-wrapping seal strips with two highly stretched layers of electrical grade vinyl tape (*Figure 3*). **Be sure to cover all exposed mastic.**



## B. Install Lug or Connector

1. Check to insure termination assembly fits over the selected lug. If lug (*Figure 9*) will not fit through the termination core, clean the insulation (*per Step C*) and slide termination on cable before installing lug. **Do not remove core at this time.**



**NOTE: Refer to pages 10 and 11 for lug/connector crimping information.**

2. Position connector/lug and crimp according to manufacturer's directions. Remove excess oxide inhibitor and sharp crimp flashings following crimping.

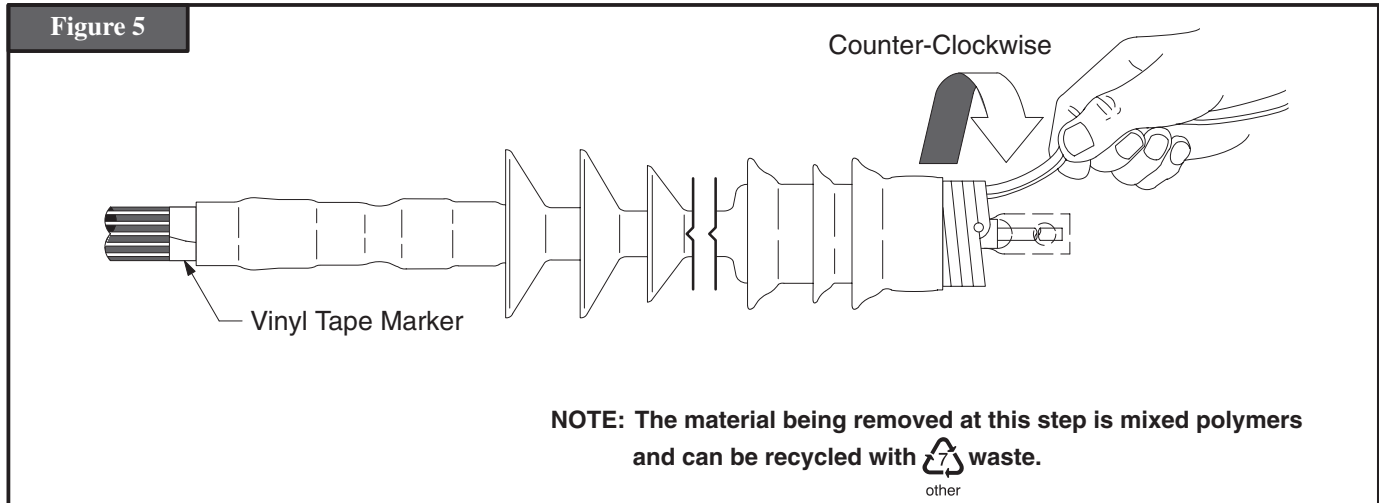
## C. Clean Cable Insulation and Lug Barrel Using Standard Practice

1. Wipe the cable insulation with an approved solvent. **Do not allow solvent to touch semi-con insulation shield!**
2. If abrasive must be used:
  - a. Use on insulation only. **Do not use abrasive on semi-con insulation shield!**
  - b. Use only aluminum oxide abrasive; grit 120 or finer.
  - c. Be careful not to reduce the cable insulation diameter below that allowed by the kit.

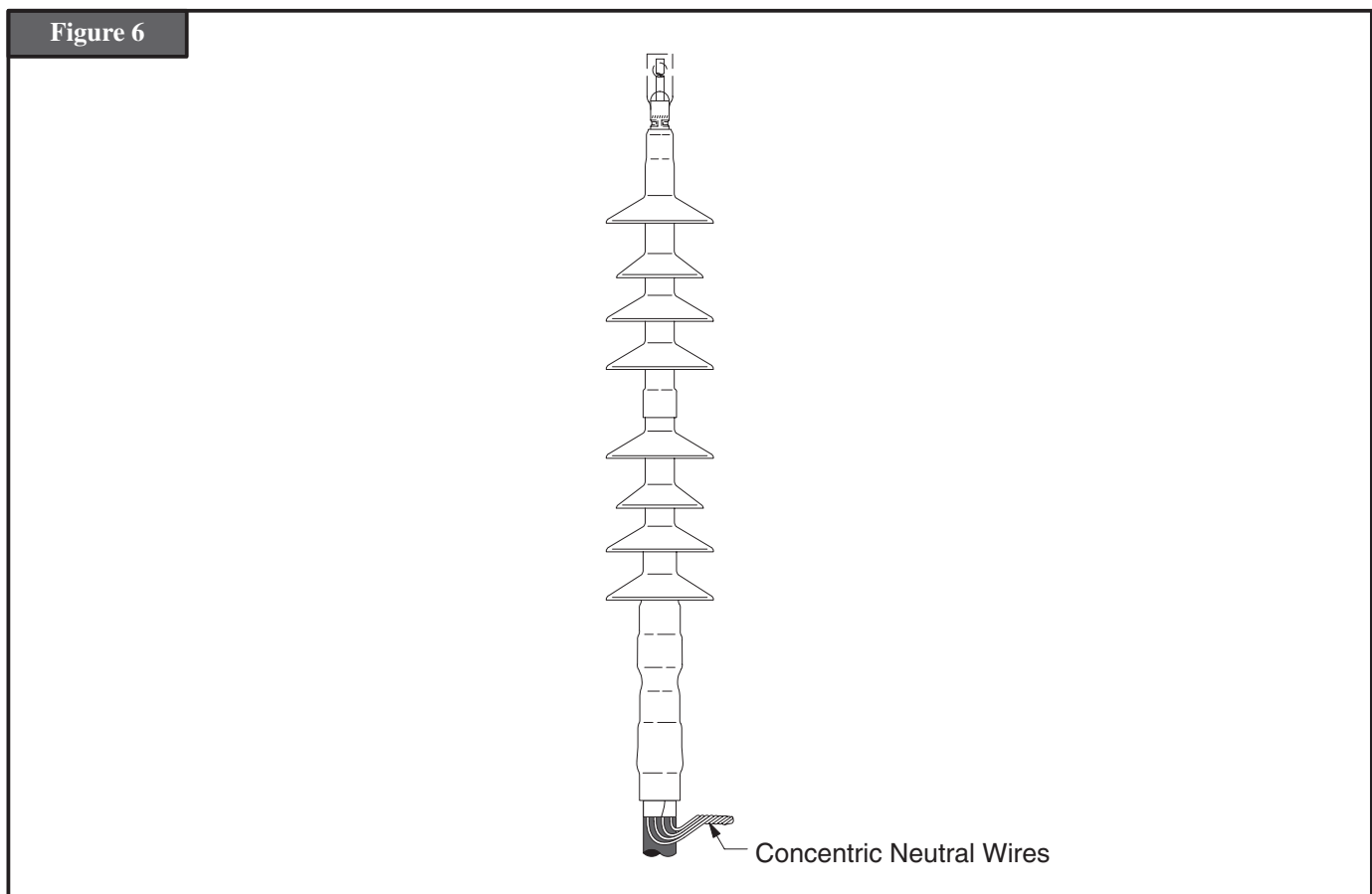
## D. Install Termination

1. Slide the termination body onto the cable and remove core. Pull while unwinding counter-clockwise starting with the loose end (*Figure 5*). Make sure the termination body (not the core) is butted up to the edge of the vinyl tape marker previously applied (*Figure 5*).

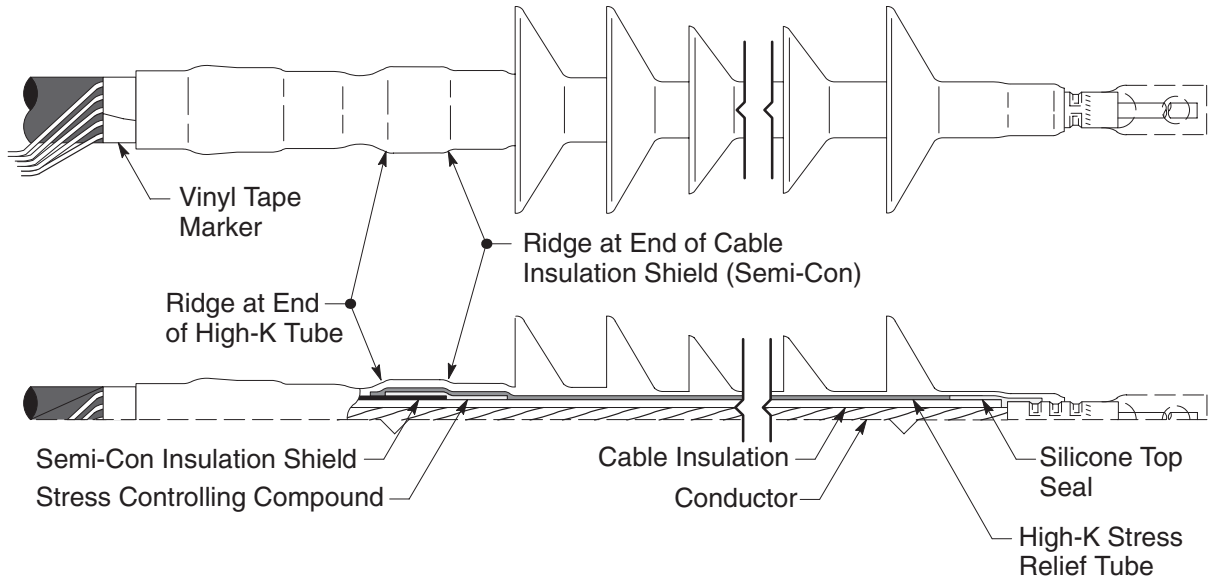
**NOTE:** Once the termination insulator has made contact over the mastic seal area, there is no need to continue supporting the assembly. Do not push or pull on the termination assembly while unwinding the core.



2. When using a short barrel lug or connector on smaller size cable it may be necessary to trim any excess termination insulator from the lug or connector.
3. Collect all concentric neutral wires together (*Figure 6*) and connect to system ground according to standard practice.



# Correct Installation of Termination on Jacketed Concentric Neutral (JCN) Cable



# Instructions for Concentric Neutral (CN) Cable

## A. Prepare Cable

1. Check to be sure cable size fits within kit size range as shown in *Table 1 (cover page)*.
2. Train cable into position and cut to length required for installation. Allow sufficient neutral wire length for grounding connection.
3. Prepare cable using dimensions shown in (*Figure 1*) refer to (*Table 3*) for semi-con cutback dimension. **Be sure to allow for depth of terminal lug.**

| Kit Number | Insulation O.D.                   | 15 kV<br>AWG / kcmil                      | 25/28 kV<br>AWG / kcmil                   | 35 kV<br>AWG / kcmil                     | Semi-Con Cutback    |
|------------|-----------------------------------|---|---|--|---------------------|
| 7664-8     | 0.83" – 1.21"<br>(21,1 – 30,7 mm) | 4/0 – 300<br>(120 – 150 mm <sup>2</sup> ) | 2/0 – 3/0<br>(70 – 95 mm <sup>2</sup> )   | 2 – 2/0<br>(35 – 70 mm <sup>2</sup> )    | 13.5"<br>(342,9 mm) |
|            | 0.98" – 1.53"<br>(24,9 – 38,9 mm) | 350 – 500<br>(185 – 240 mm <sup>2</sup> ) | 4/0 – 250<br>(120 – 150 mm <sup>2</sup> ) | 3/0 – 4/0<br>(95 – 120 mm <sup>2</sup> ) | 13.0"<br>(330,2 mm) |

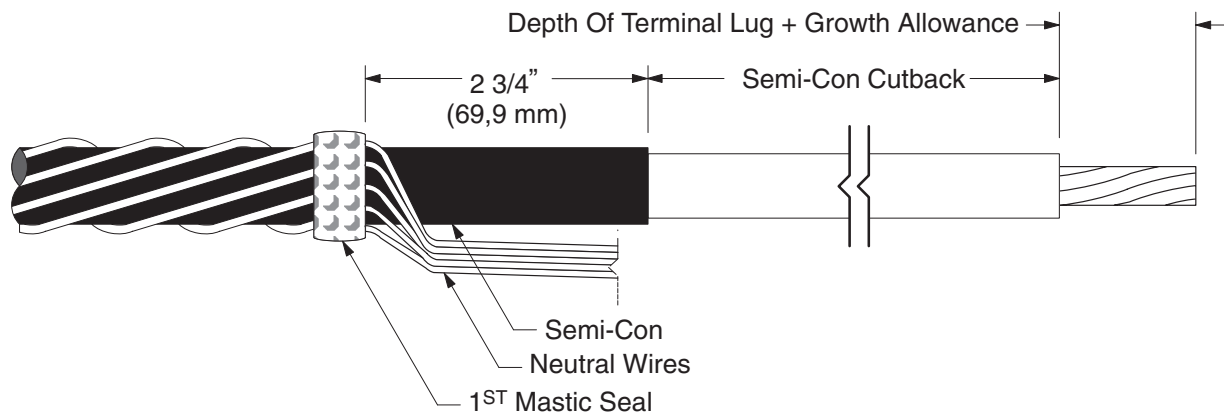
Table 3

**NOTE: Provide additional exposed conductor distance to account for growth during crimping of ALUMINUM lugs or connectors as follows:**

|                               |                        |                           |
|-------------------------------|------------------------|---------------------------|
| Aluminum Lug Growth Allowance | 2 – 350<br>1/4" (6 mm) | 400 – 650<br>3/8" (10 mm) |
|-------------------------------|------------------------|---------------------------|

4. Secure neutral wires to cable with several highly stretched layers of electrical grade vinyl tape around the cable and neutral wires 2 3/4" (69,9 mm) from cut edge of cable semi-con (*Figure 7*).
5. Select one of two mastic strips from kit and remove white release liners. Using light tension, wrap a band of mastic around the cable and neutral wires 2 3/4" (69,9 mm) from cut edge of cable semi-con, directly on top of vinyl tape (*Figure 7*). Cut off excess.

Figure 7

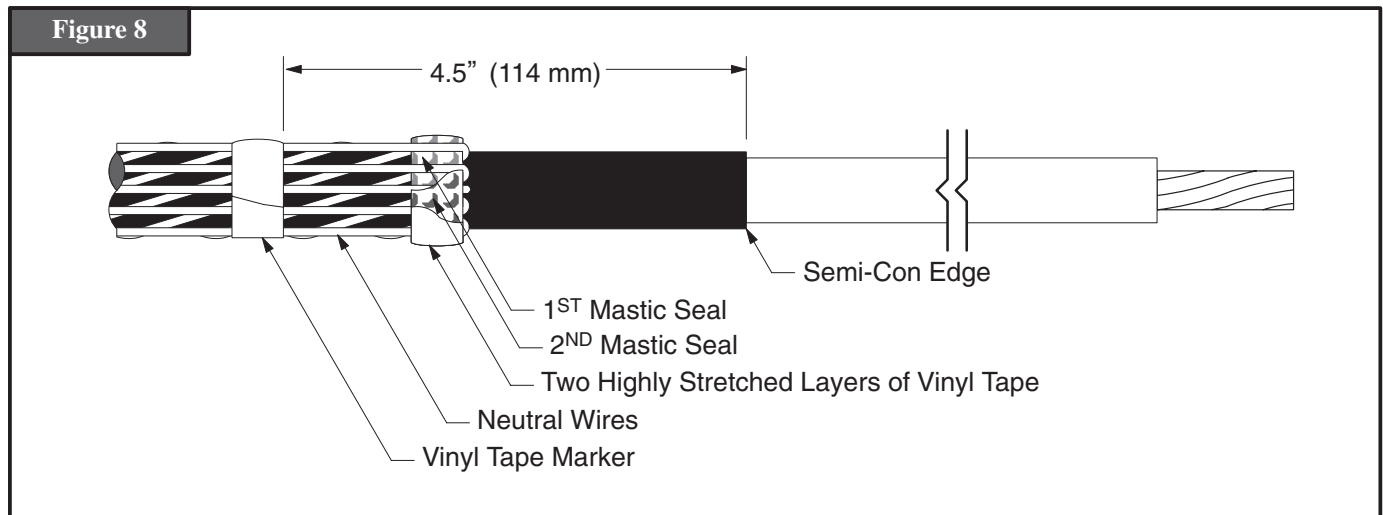


## A. Prepare Cable (continued)

6. Bend neutral wires back over applied sealing mastic and secure to cable 4.5" (114 mm), below cable semi-con edge using vinyl tape (*Figure 8*).

**NOTE: Position vinyl tape with care, it also serves as a marker for positioning the termination.**

7. Select second mastic strip from kit and remove white release liners. Apply a second mastic band over the neutral wires and previously applied mastic (*Figure 8*). Cut off excess.
8. Compress neutral wires into mastic by over-wrapping seal strips with two highly stretched layers of electrical grade vinyl tape (*Figure 8*). **Be sure to cover all exposed mastic.**



## B. Install Lug or Connector

1. Check to insure termination assembly fits over the selected lug. If lug (*Figure 9*) will not fit through the termination core, clean the insulation (*per Step C*) and slide termination on cable before installing lug. **Do not remove core at this time.**



**NOTE: Refer to pages 10 and 11 for lug/connector crimping information.**

2. Position connector/lug and crimp according to manufacturer's directions. Remove excess oxide inhibitor and sharp crimp flashings following crimping.

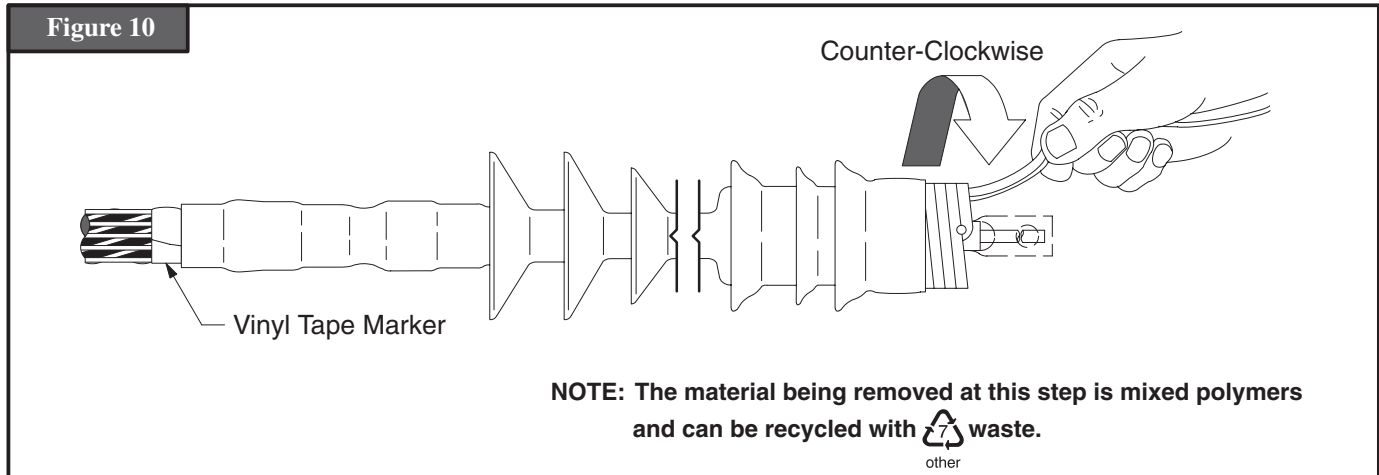
## C. Clean Cable Insulation and Lug Barrel Using Standard Practice

1. Wipe the cable insulation with an approved solvent. **Do not allow solvent to touch semi-con insulation shield!**
2. If abrasive must be used:
  - a. Use on insulation only. **Do not use abrasive on semi-con insulation shield!**
  - b. Use only aluminum oxide abrasive; grit 120 or finer.
  - c. Be careful not to reduce the cable insulation diameter below that allowed by the kit.

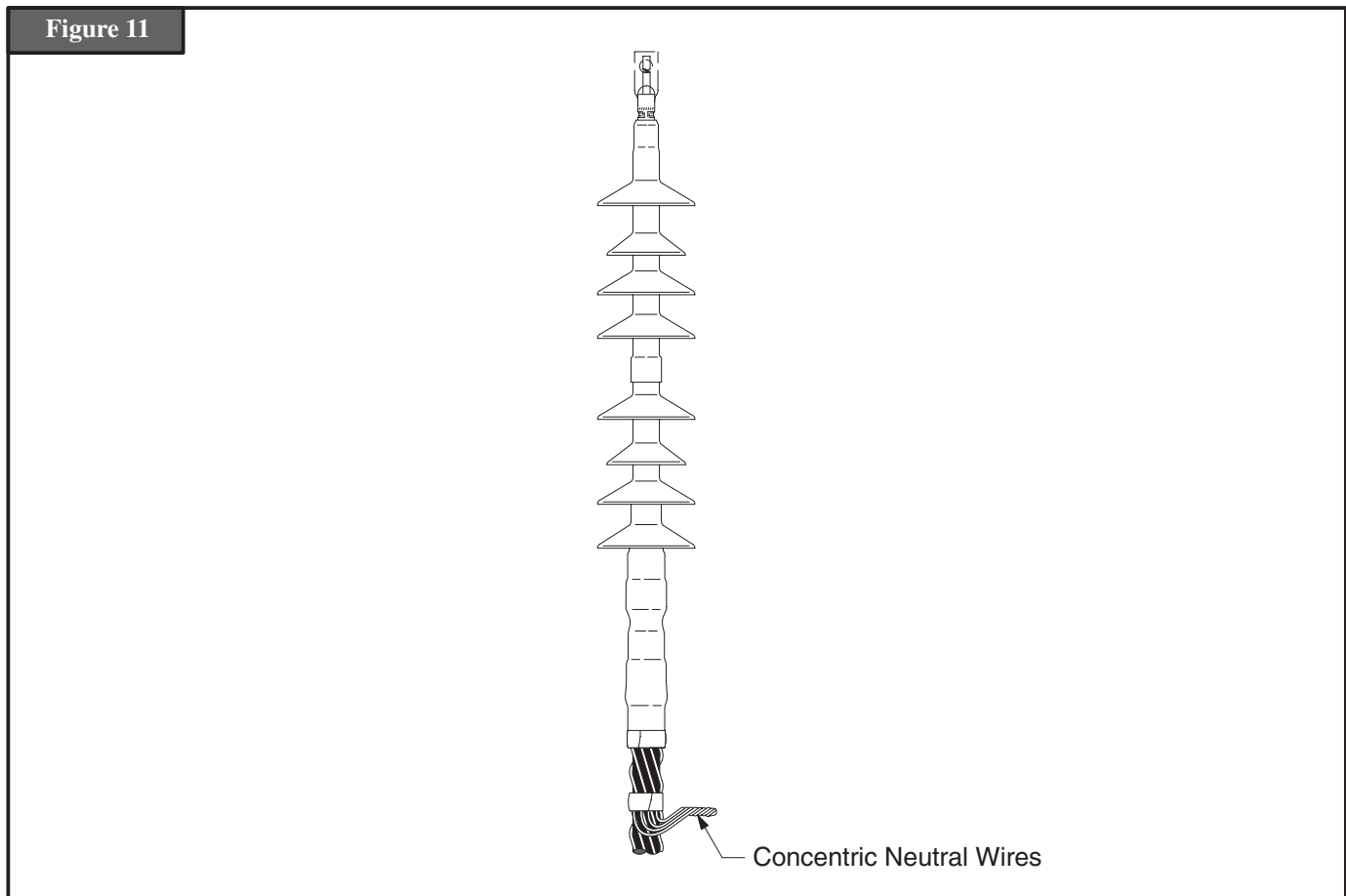
## D. Install Termination

1. Slide the termination body onto the cable and remove core. Pull while unwinding, counter-clockwise, starting with the loose end (*Figure 10*). Make sure the termination body (not the core) is butted up to the edge of the vinyl tape marker previously applied (*Figure 10*).

**NOTE:** Once the termination insulator has made contact over the mastic seal area, there is no need to continue supporting the assembly. Do not push or pull on the termination assembly while unwinding the core.

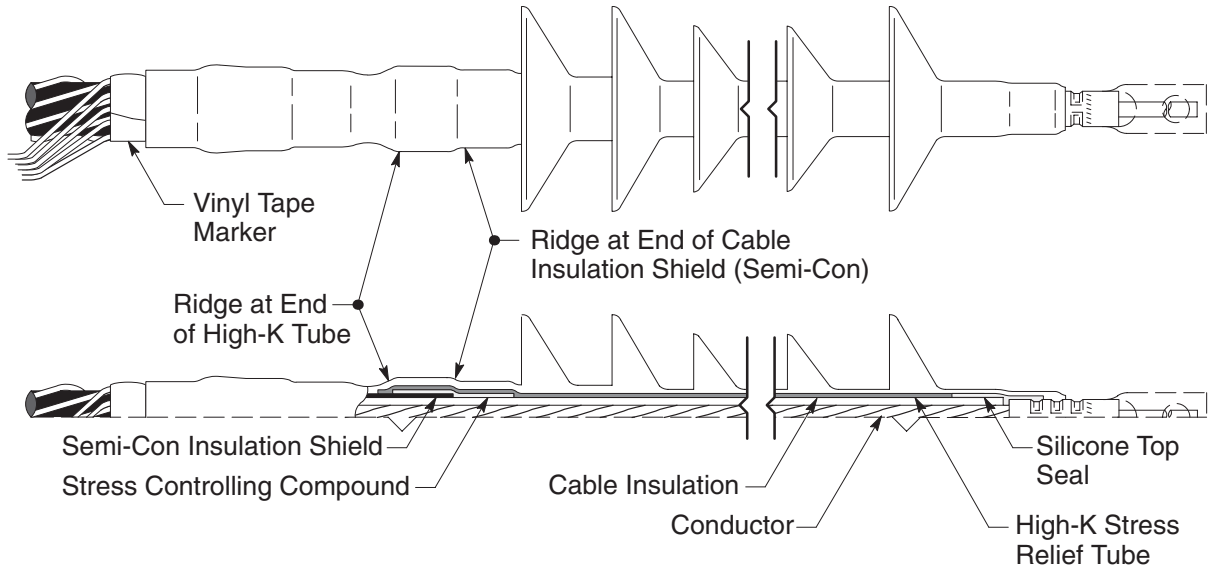


2. When using a short barrel lug or connector on smaller size cable it may be necessary to trim any excess termination insulator from the lug or connector.
3. Collect all concentric neutral wires together (*Figure 11*) and connect to system ground according to standard practice.

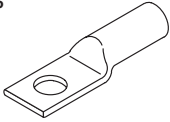
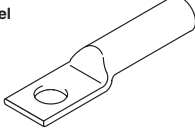
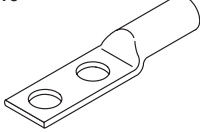




## Correct Installation of Termination on Concentric Neutral (CN) Cable



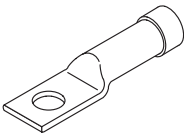
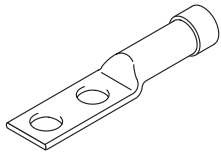
# Tooling Index

| Lug and Crimping Information for 3M™ Scotchlok™ Copper Lugs   |                    |                                    |   |                            |                    |                                  |   |                                     |                            |  |
|---|--------------------|------------------------------------|---|----------------------------|--------------------|----------------------------------|---|-------------------------------------|----------------------------|--|
| 30014 thru 30045<br>One hole<br> |                    |                                    | 31036 thru 31068<br>One hole — long barrel<br> |                            |                    |                                  | 31145 thru 31178<br>Two hole<br> |                                     |                            |  |
| Cable Size<br>AWG/<br>kcmil   | Stud Size<br>(in.) | Scotchlok™<br>Copper Lug<br>Number | CRIMPING TOOL-DIE SETS (NUMBER OF CRIMPS)   |                            |                    |                                  |   |                                     |                            |  |
|   |                    |                                    | Burdny Corporation  |                            |                    |                                  | Thomas & Betts Corporation  |                                     |                            | Square D Co. An-<br>derson Div.              |
|   |                    |                                    | MD6   | MY29                       | Y34A               | Y35, Y39, Y45*, Y46*             | TBM 5   | TBM 8                               | TBM 15                     | VC6-3, VC6-FT**                              |
| 6   | 10<br>1/4<br>5/16  | 30014<br>30015<br>30016            | —   | 6AWG(1)                    | —                  | U5CRT(1)                         | Blue(1)   | Blue(1)                             | —                          | Universal(1)                                 |
| 4   | 10<br>1/4<br>3/8   | 30018<br>30019<br>30021            | W161(1)   | 4AWG(1)                    | A4CR(1)            | U4CRT(1)                         | Grey(1)   | Grey(1)                             | —                          | Universal(1)                                 |
| 2   | 1/4<br>5/16<br>3/8 | 30022<br>30023<br>30024            | W162(2)   | 2AWG(1)                    | A2CR(1)            | U2CRT(2)                         | Brown(1)  | Brown(1)                            | 33(1)                      | Universal(2)                                 |
| 1   | 5/16<br>3/8        | 30027<br>30028                     | —   | 1AWG(1)                    | A1CR(1)            | U1CRT(2)                         | Green(1)  | Green(1)                            | 37(1)                      | Universal(2)                                 |
| 1/0   | 5/16<br>3/8        | 30031<br>30032                     | W163(2)   | 1/0(1)                     | A25R(1)            | U25RT(1)                         | Pink(2)   | Pink(2)                             | 42H(2)                     | Universal(1)                                 |
| 2/0   | 3/8<br>3/8         | 30036<br>31036                     | W241(2)<br>W241(3)  | 2/0(1)<br>2/0(2)           | A26R(1)<br>A26R(2) | U26RT(2)<br>U26RT(3)             | Black(2)<br>Black(3)  | Black(2)<br>Black(3)                | 45(1)<br>45(2)             | Universal(1)<br>Universal(2)                 |
| 3/0   | 1/2<br>1/2         | 30041<br>31041                     | W243(2)<br>W243(3)  | 3/0(1)<br>3/0(2)           | A27R(1)<br>A27R(2) | U27RT(2)<br>U27RT(3)             | Orange(2)<br>Orange(3)  | Orange(2)<br>Orange(3)              | 50(1)<br>50(2)             | Universal(2)<br>Universal(3)                 |
| 4/0   | 1/2<br>1/2<br>1/2  | 30045<br>31045<br>31145            | BG(3)<br>BG(4)<br>BG(4)   | 4/0(1)<br>4/0(2)<br>4/0(2) | A28R(2)            | U28RT(2)<br>U28RT(3)<br>U28RT(3) | Purple(2)<br>Purple(3)<br>Purple(3)   | Purple(2)<br>Purple(3)<br>Purple(3) | 54H(2)<br>54H(3)<br>54H(3) | Universal(2)<br>Universal(3)<br>Universal(3) |
| 250   | 1/2<br>1/2         | 31049<br>31149                     | W166(4)   | 250(2)                     | A29R(2)            | U29RT(3)                         | Yellow(2)   | Yellow(2)                           | 62(2)                      | Universal(2)                                 |
| 300   | 1/2<br>1/2         | 31053<br>31153                     | —   | —                          | A30R(2)            | U30RT(3)                         | —   | White(3)                            | 66(3)                      | Universal(3)                                 |
| 350   | 1/2<br>1/2         | 31056<br>31156                     | —   | —                          | A31R(2)            | U31RT(3)                         | —   | Red(4)                              | 71H(4)                     | —  |
| 400   | 1/2<br>1/2         | 31060<br>31160                     | —   | —                          | A32R(2)            | U32RT(3)                         | —   | Blue(4)                             | 76H(4)                     | —  |
| 500   | 1/2<br>5/8<br>1/2  | 31066<br>31067<br>31166            | —   | —                          | A34R(2)            | U34RT(3)                         | —   | Brown(4)                            | 87H(4)                     | —  |
| 600   | 1/2<br>1/2         | 31068<br>31168                     | —   | —                          | —                  | U36RT(3)                         | —   | Green(4)                            | 94H(4)                     | —  |
| 750   | 1/2                | 31172                              | —   | —                          | —                  | Y39, Y45, Y46<br>U39RT(5)        | —   | —                                   | 106H(4)                    | —  |
| 1000  | 1/2                | 31178                              | —   | —                          | —                  | Y45: S44RT(6)<br>Y46: P44RT(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, VC6-FT, VC8C and Burdny Y1000 require no die set.

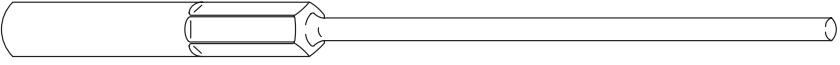
# Tooling Index

| Lug and Crimping Information for 3M™ Scotchlok™ Copper/Aluminum Lugs              |                    |                             |   |                               |                                  |                                     |                   |   |                                  |                            |                            |                                 |            |                                  |                                  |
|---|--------------------|-----------------------------|---|-------------------------------|----------------------------------|-------------------------------------|-------------------|---|----------------------------------|----------------------------|----------------------------|---------------------------------|------------|----------------------------------|----------------------------------|
| 40016 thru 40079<br>One hole  |                    |                             |   |                               |                                  |                                     |                   | 40132 thru 40178<br>Two hole  |                                  |                            |                            |                                 |            |                                  |                                  |
|  |                    |                             |   |                               |                                  |                                     |                   |  |                                  |                            |                            |                                 |            |                                  |                                  |
| Cable Size<br>AWG/<br>kcmil   | Stud Size<br>(in.) | Scotchlok™<br>Lug<br>Number | CRIMPING TOOL-DIE SETS (NUMBER OF CRIMPS) |                               |                                  |                                     |                   |   |                                  |                            |                            |                                 |            |                                  |                                  |
|   |                    |                             | Burdny Corporation                        |                               |                                  |                                     |                   | Thomas & Betts Corporation  |                                  |                            |                            | Square D Co. Ander-<br>son Div. |            | ITT<br>Black-<br>burn Co.        | Kearny<br>Nat'l<br>Div.          |
|   |                    |                             | MD6                                       | MY29                          | Y34A                             | Y35, Y39,<br>Y45*, Y46*             | Y1000*            | TBM 5   | TBM 8                            | TBM 12                     | TBM 15                     | VC6-3**<br>VC6-FT**             | VC8C**     | OD58                             | TYPE O                           |
| 6   | 5/16               | 40016                       | W161(1)                                   | 6AWG(1)                       | A6CAB(1)                         | U6CABT(1)                           | (1)               | Grey(1)   | Grey(1)                          | —                          | 29(1)                      | (1)                             | —          | BY19(3)                          | J(3)                             |
| 4   | 5/16               | 40020                       | W162(3)                                   | 4AWG(1)                       | A4CAB(1)                         | U4CABT(1)                           | (1)               | Green(2)  | Green(2)                         | —                          | 37(1)                      | (1)                             | —          | BY53(3)                          | P(3)                             |
| 2   | 3/8<br>1/2         | 40024<br>40025              | W163(3)<br>W163(3)                        | 2AWG(1)<br>2AWG(1)            | A2CAB(1)<br>A2CAB(1)             | U2CABT(1)<br>U2CABT(1)              | (1)<br>(1)        | Pink(2)<br>Pink(2)  | Pink(2)<br>Pink(2)               | —                          | 42H(2)<br>42H(2)           | (1)<br>(1)                      | —          | BY23(3)<br>BY23(3)               | 1/2(3)<br>1/2(3)                 |
| 1   | 3/8<br>1/2         | 40028<br>40029              | W163(3)<br>W163(3)                        | 1AWG(1)<br>1AWG(1)            | A1CAR(1)<br>A1CAR(1)             | U1CART(1)<br>U1CART(1)              | (1)<br>(1)        | Gold(2)<br>Gold(2)  | Gold(2)<br>Gold(2)               | —                          | 45(1)<br>45(1)             | (1)<br>(1)                      | —          | BY23(3)<br>BY23(3)               | 1/2(3)<br>1/2(3)                 |
| 1/0   | 3/8<br>1/2<br>3/8  | 40032<br>40033<br>40132     | W241(3)<br>W241(3)<br>W241(3)             | 1/0(1)<br>1/0(1)<br>1/0(1)    | A25AR(1)<br>A25AR(1)<br>A25AR(1) | U25ART(1)<br>U25ART(1)<br>U25ART(1) | (1)<br>(1)<br>(1) | Tan(2)<br>Tan(2)<br>Tan(2)  | Tan(2)<br>Tan(2)<br>Tan(2)       | —                          | 50(1)<br>50(1)<br>50(1)    | (1)<br>(1)<br>(1)               | —          | BY25(3)<br>BY25(3)<br>BY25(3)    | 5/8-1(3)<br>5/8-1(3)<br>5/8-1(3) |
| 2/0   | 1/2<br>1/2         | 40037<br>40137              | BG(4)<br>BG(4)                            | 2/0(1)<br>2/0(1)              | A26AR(2)<br>A26AR(2)             | U26ART(2)<br>U26ART(2)              | (1)<br>(1)        | Olive(2)<br>Olive(2)  | Olive(2)<br>Olive(2)             | —                          | 54H(2)<br>54H(2)           | (2)<br>(2)                      | —          | BY31C(3)<br>BY31C(3)             | 5/8-1(3)<br>5/8-1(3)             |
| 3/0   | 1/2<br>1/2         | 40041<br>40141              | W166(4)<br>W166(4)                        | 3/0(1)<br>3/0(1)              | A27AR(2)<br>A27AR(2)             | U27ART(2)<br>U27ART(2)              | (1)<br>(1)        | Ruby(2)<br>Ruby(2)  | Ruby(2)<br>Ruby(2)               | —                          | 60(2)<br>60(2)             | (2)<br>(2)                      | —          | —                                | 737(3)<br>737(3)                 |
| 4/0   | 1/2<br>5/8<br>1/2  | 40045<br>40046<br>40145     | W660(4)<br>W660(4)<br>W660(4)             | 4/0 (2)<br>4/0 (2)<br>4/0 (2) | A28AR(2)<br>A28AR(2)<br>A28AR(2) | U28ART(2)<br>U28ART(2)<br>U28ART(2) | (1)<br>(1)<br>(1) | —   | White(4)<br>White(4)<br>White(4) | —                          | 66(4)<br>66(4)<br>66(4)    | (2)<br>(2)<br>(2)               | —          | BY35C(4)<br>BY35C(4)<br>BY35C(4) | 840(4)<br>840(4)<br>840(4)       |
| 250   | 1/2<br>5/8<br>1/2  | 40049<br>40050<br>40149     | W249(3)<br>W249(3)<br>W249(3)             | —                             | A29AR(2)<br>A29AR(2)<br>A29AR(2) | U29ART(2)<br>U29ART(2)<br>U29ART(2) | (1)<br>(1)<br>(1) | —   | —                                | 71H(4)<br>71H(4)<br>71H(4) | 71H(2)<br>71H(2)<br>71H(2) | (3)<br>(3)<br>(3)               | —          | —                                | —                                |
| 300   | 1/2<br>1/2         | 40053<br>40153              | —   | —                             | A30AR(2)<br>A30AR(2)             | U30ART(2)<br>U30ART(2)              | (1)<br>(1)        | —   | —                                | 76H(4)<br>76H(4)           | 76H(2)<br>76H(2)           | (3)<br>(3)                      | —          | —                                | —                                |
| 350   | 1/2<br>5/8<br>1/2  | 40056<br>40057<br>40156     | —   | —                             | —                                | U31ART(2)<br>U31ART(2)<br>U31ART(2) | (1)<br>(1)<br>(1) | —   | —                                | 87H(4)<br>87H(4)<br>87H(4) | 87H(3)<br>87H(3)<br>87H(3) | (3)<br>(3)<br>(3)               | —          | —                                | —                                |
| 400   | 1/2                | 40160                       | —   | —                             | —                                | U32ART(4)                           | (1)               | —   | —                                | 94H(4)                     | 94H(4)                     | —                               | (2)        | —                                | —                                |
| 500   | 5/8<br>1/2         | 40067<br>40166              | —   | —                             | —                                | U34ART(4)<br>U34ART(4)              | (1)<br>(1)        | —   | —                                | 106H(4)<br>106H(4)         | 106H(3)<br>106H(3)         | —                               | (2)<br>(2) | —                                | —                                |
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| 750   | 5/8<br>1/2         | 40073<br>40172              | —   | —                             | —                                | U39ART(4)<br>U39ART(4)              | (1)<br>(1)        | —   | —                                | —                          | 125H(5)<br>125H(5)         | —                               | (3)<br>(3) | —                                | —                                |
| 1000  | 5/8<br>1/2         | 40079<br>40178              | —   | —                             | —                                | S44ART(4)<br>S44ART(4)              | (1)<br>(1)        | —   | —                                | —                          | 140H(4)<br>140H(4)         | —                               | (3)<br>(3) | —                                | —                                |

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

\*\* Anderson VC6-3, VC6-FT, VC8C and Burndy Y1000 require no die set.

# Tooling Index

| Crimping Information for<br>3M™ Stem Connectors<br>Copper/Aluminum |                            |  |            |                  |                 |                    |
|--|----------------------------|--|------------|------------------|-----------------|--------------------|
| CRIMPING TABLE FOR 3M STEM TYPE CONNECTOR                          |                            |  |            |                  |                 |                    |
| Conductor Size   | 3M Connector Number        | Recommended Crimping Tools   |            |                  |                 |                    |
|  |                            | Manufacturer   | Mech. Tool | Die (No. Crimps) | Hydraulic       | Die (No. Crimps)   |
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