



# **SOLISTRAND TERMINALS & SPLICES**

Quick Reference Guide

## FEATURES AND BENEFITS

- Constructed of high conductivity copper; corrosion and vibration resistant
- Brazed seam and “W” crimp provide high tensile strength and prevents pinched wires
- Shorter barrel length is ideal for terminations in tight spaces
- Bell-mouth barrel entrance makes inserting wire easier and reduces installation time
- Most SOLISTRAND meets or exceeds Mil Spec SAE AS7928 requirements – Type I, Class 1.
- Voltage rating limited to applied wire rating
- Operating Temperature: 170°C; UL listed/CSA approved

# 600

600 MCM max  
wire size

# 170°

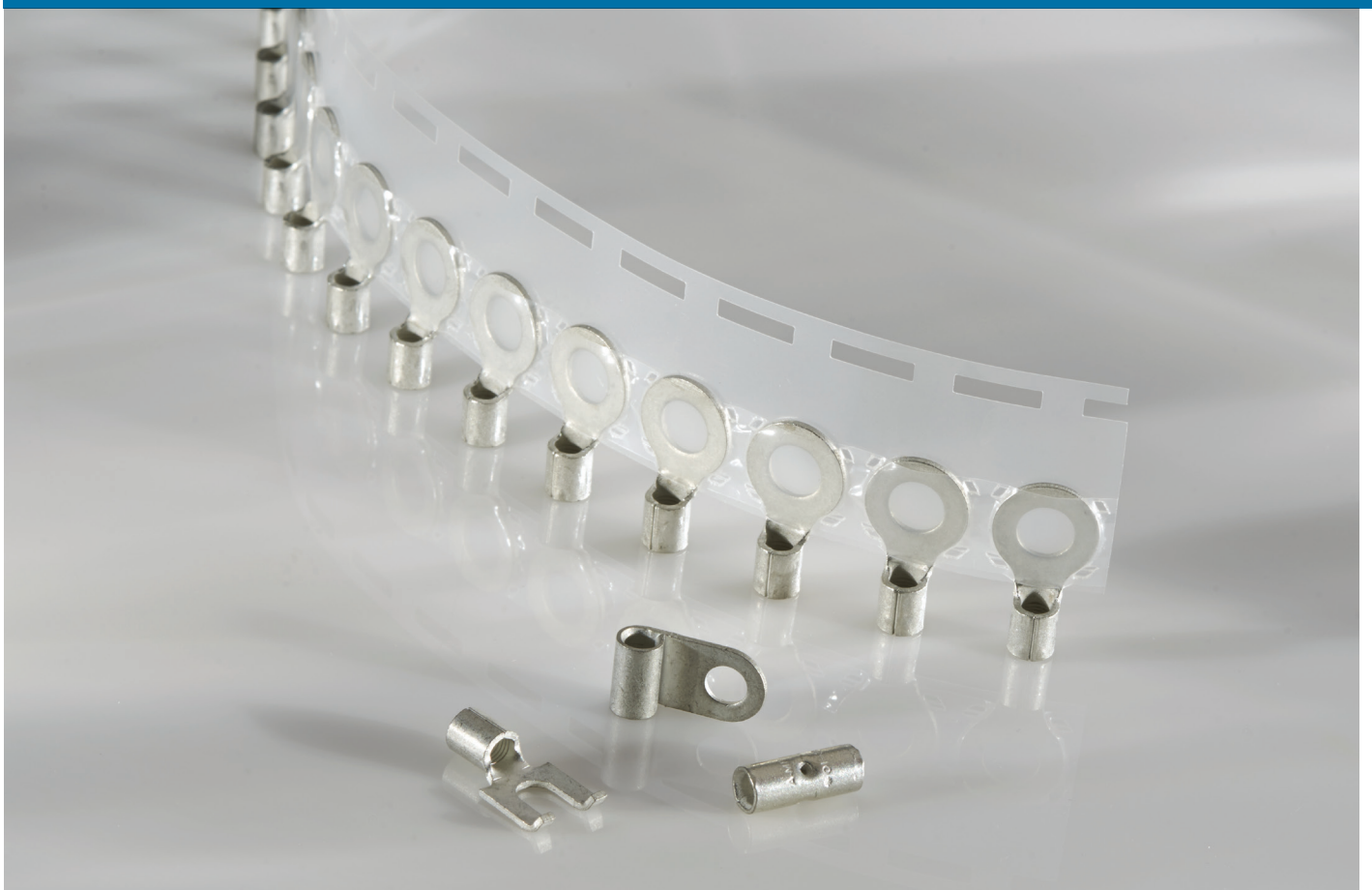
Max Operating  
Temperature (Celsius)

# MIL

MIL-SPEC, UL, and  
CSA Approval

## PRODUCT APPLICATIONS

- Material Handling Equipment
- Motors
- Heavy Equipment
- Pad and Pole Mount Transformers
- Switchgear
- Telecommunications
- Appliances
- Panel Boxes
- Power Supplies
- Instruments/Control



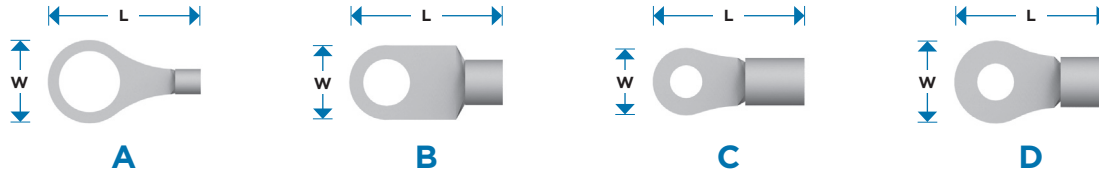
# WHAT'S INSIDE

The SOLISTRAND family is carefully designed to ensure reliable and long lasting performance in the most punishing environments. SOLISTRAND terminals and splices offer superior performance when terminating solid wire, stranded wire, or irregular shaped conductors. SOLISTRAND is corrosion resistant, vibration resistant, and proudly features a tensile strength well within the limits of commercial and military specifications. When used in conjunction with TE Application Tooling, every termination is uniformly perfect – simplifying quality control and ensuring consistent performance. SOLISTRAND is available in various tongue styles and stud sizes, in wire gauges ranging from 26 AWG (0.1 mm<sup>2</sup>) to 600 MCM (304 mm<sup>2</sup>).

## MATERIAL

**Terminal Body:** Copper per ASTM B152

**Plating:** Tin per ASTM B545



| Ring Tongue Terminals |             |          |      |                      |           |       |            |       |       |                             |      |                                |            |          |                                 |                                          |                                       |                                      |          |
|-----------------------|-------------|----------|------|----------------------|-----------|-------|------------|-------|-------|-----------------------------|------|--------------------------------|------------|----------|---------------------------------|------------------------------------------|---------------------------------------|--------------------------------------|----------|
|                       |             |          |      |                      |           |       |            |       |       |                             |      |                                |            |          | Manual Hand Tools               |                                          | Dies for Powered Tools                |                                      |          |
| Wire Size             |             | Studsize |      | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |      | Also available in <sup>6</sup> |            | Re-marks | Certi-Crimp Hand Tool (Premium) | Pro-Crimper (SDE) Hand Tool (Commercial) | SDE Die Set (Commercial) (see Note 1) | U-Style Dies (see Note 2 on page 11) |          |
| AWG                   | mm²         | U.S.     | mm   |                      | inch      | mm    | inch       | mm    |       | inch                        | mm   | Tape & Reel                    | Small Pack |          |                                 |                                          |                                       | Nest                                 | Indenter |
| 26 - 22               | 0.12 - 0.41 | 0        |      | 31423                | .140      | 3.56  | .329       | 8.36  | A     | .035                        | 0.89 | -                              | -          | 4        | 69363                           |                                          |                                       |                                      |          |
|                       |             | 2        | M2   | 31425                | .140      | 3.56  | .329       | 8.36  | A     | .035                        | 0.89 | ✓                              | ✓          | 4        | 69363                           |                                          |                                       |                                      |          |
|                       |             | 2        | M2   | 50334                | .140      | 3.56  | .419       | 10.64 | A     | .031                        | 0.79 | ✓                              | ✓          |          | 69363                           |                                          |                                       |                                      |          |
|                       |             | 4        | M2.5 | 31428                | .203      | 5.16  | .450       | 11.43 | A     | .035                        | 0.89 | -                              | -          | 4        | 69363                           |                                          |                                       |                                      |          |
|                       |             | 6        | M3.5 | 31430                | .203      | 5.16  | .450       | 11.43 | A     | .035                        | 0.89 | -                              | -          | 4        | 69363                           |                                          |                                       |                                      |          |
|                       |             | 6        | M3.5 | 331401               | .250      | 6.35  | .544       | 13.82 | A     | .031                        | 0.79 | ✓                              | ✓          |          | 69363                           |                                          |                                       |                                      |          |
|                       |             | 6        | M3.5 | 32858                | .250      | 6.35  | .544       | 13.82 | A     | .035                        | 0.89 | -                              | -          | 4        | 69363                           |                                          |                                       |                                      |          |
|                       |             | 8        | M4   | 32859                | .250      | 6.35  | .544       | 13.82 | A     | .035                        | 0.89 | -                              | -          | 4        | 69363                           |                                          |                                       |                                      |          |
|                       |             | 10       |      | 32860                | .250      | 6.35  | .544       | 13.82 | A     | .035                        | 0.89 | -                              | -          | 4        | 69363                           |                                          |                                       |                                      |          |
|                       |             |          |      |                      |           |       |            |       |       |                             |      |                                |            |          |                                 |                                          |                                       |                                      |          |
| 22 - 16               | 0.26 - 1.65 | 2        | M2   | 34103                | .218      | 5.54  | .449       | 11.40 | A     | .061                        | 1.55 | ✓                              | -          | 5        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 2        | M2   | 322927               | .182      | 4.62  | .446       | 11.33 | A     | .061                        | 1.55 | -                              | -          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 4        | M2.5 | 34104                | .218      | 5.54  | .449       | 11.40 | A     | .061                        | 1.55 | ✓                              | ✓          | 5        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 4        | M2.5 | 36467                | .182      | 4.62  | .446       | 11.33 | A     | .061                        | 1.55 | -                              | -          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 4        | M2.5 | 36189                | .182      | 4.62  | .446       | 11.33 | A     | .065                        | 1.65 | -                              | -          | 4        |                                 | 58508-1                                  | 58509-1                               |                                      |          |
|                       |             | 5        | M3   | 31090                | .218      | 5.54  | .449       | 11.40 | A     | .065                        | 1.65 | ✓                              | -          | 4        |                                 | 58508-1                                  | 58509-1                               |                                      |          |
|                       |             | 6        | M3.5 | 34105                | .218      | 5.54  | .449       | 11.40 | A     | .061                        | 1.55 | ✓                              | ✓          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 6        | M3.5 | 34107                | .281      | 7.14  | .574       | 14.58 | A     | .061                        | 1.55 | ✓                              | ✓          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 6        | M3.5 | 31264                | .281      | 7.14  | .574       | 14.58 | A     | .065                        | 1.65 | -                              | -          | 4        |                                 | 58508-1                                  | 58509-1                               |                                      |          |
|                       |             | 6        | M3.5 | 34110                | .312      | 7.92  | .621       | 15.77 | A     | .061                        | 1.55 | ✓                              | ✓          | 5        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 8        | M4   | 34111                | .312      | 7.92  | .621       | 15.77 | A     | .061                        | 1.55 | ✓                              | ✓          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 8        | M4   | 30692                | .312      | 7.92  | .621       | 15.77 | A     | .065                        | 1.65 | -                              | -          | 4        |                                 | 58508-1                                  | 58509-1                               |                                      |          |
|                       |             | 8        | M4   | 34108                | .281      | 7.14  | .574       | 14.58 | A     | .061                        | 1.55 | ✓                              | ✓          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 10       |      | 34112                | .312      | 7.92  | .621       | 15.77 | A     | .061                        | 1.55 | ✓                              | ✓          | 5        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 10       |      | 30693                | .312      | 7.92  | .621       | 15.77 | A     | .065                        | 1.65 | -                              | -          | 4        |                                 | 58508-1                                  | 58509-1                               |                                      |          |
|                       |             | 10       |      | 34109                | .281      | 7.14  | .574       | 14.58 | A     | .061                        | 1.55 | ✓                              | ✓          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             |          | M5   | 130017               | .312      | 7.92  | .625       | 15.88 | A     | .061                        | 1.55 | -                              | -          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 1/4      | M6   | 34113                | .469      | 11.91 | .856       | 21.74 | A     | .061                        | 1.55 | ✓                              | ✓          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 1/4      | M6   | 31172                | .469      | 11.91 | .856       | 21.74 | A     | .065                        | 1.65 | -                              | -          | 4        |                                 | 58508-1                                  | 58509-1                               |                                      |          |
|                       |             | 1/4      | M6   | 130058               | .469      | 11.91 | .860       | 21.84 | A     | .061                        | 1.55 | -                              | -          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 5/16     | M8   | 34114                | .469      | 11.91 | .856       | 21.74 | A     | .061                        | 1.55 | ✓                              | ✓          | 5        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 5/16     | M8   | 31173                | .469      | 11.91 | .856       | 21.74 | A     | .065                        | 1.65 | ✓                              | -          | 4        |                                 | 58508-1                                  | 58509-1                               |                                      |          |
|                       |             | 3/8      |      | 34115                | .531      | 13.49 | .995       | 25.27 | A     | .061                        | 1.55 | ✓                              | ✓          | 5        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 3/8      |      | 31498                | .531      | 13.49 | .995       | 25.27 | A     | .065                        | 1.65 | -                              | -          | 4        |                                 | 58508-1                                  | 58509-1                               |                                      |          |
|                       |             | 1/2      | M12  | 329966               | .713      | 18.11 | 1.070      | 27.18 | A     | .061                        | 1.55 | -                              | -          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
| 16 - 14               | 1.04 - 2.62 | 4        | M2.5 | 34119                | .250      | 6.35  | .480       | 12.19 | A     | .085                        | 2.16 | ✓                              | -          | 5        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 5        | M3   | 165295               | .236      | 6.00  | .565       | 14.35 | A     | .085                        | 2.16 | -                              | -          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 6        | M3.5 | 34120                | .250      | 6.35  | .480       | 12.19 | A     | .085                        | 2.16 | ✓                              | ✓          |          | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 6        | M3.5 | 321684               | .312      | 7.92  | .590       | 14.99 | A     | .085                        | 2.16 | ✓                              | ✓          | 5        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                       |             | 6        | M3.5 | 32186                | .250      | 6.35  | .480       | 12.19 | A     | .089                        | 2.26 | ✓                              | ✓          | 4        |                                 | 58508-1                                  | 58509-1                               |                                      |          |

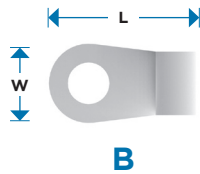
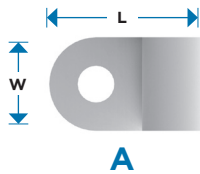
**Ring Tongue Terminals (continued)**

|           |                 |          |      |                      |           |       |            |       |       |                             |      |                                |               |              | Manual Hand Tools                         |                                                       | Dies for Powered Tools                      |                                         |           |
|-----------|-----------------|----------|------|----------------------|-----------|-------|------------|-------|-------|-----------------------------|------|--------------------------------|---------------|--------------|-------------------------------------------|-------------------------------------------------------|---------------------------------------------|-----------------------------------------|-----------|
| Wire Size |                 | Studsize |      | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |      | Also available in <sup>6</sup> |               | Re-<br>marks | Certi-<br>Crimp<br>Hand Tool<br>(Premium) | Pro-<br>Crimper<br>(SDE)<br>Hand Tool<br>(Commercial) | SDE Die Set<br>(Commercial)<br>(see Note 1) | U-Style Dies<br>(see Note 2 on page 11) |           |
| AWG       | mm <sup>2</sup> | U.S.     | mm   |                      | inch      | mm    | inch       | mm    |       | inch                        | mm   | Tape &<br>Reel                 | Small<br>Pack |              |                                           |                                                       |                                             | Nest                                    | Indenter  |
|           |                 | 8        | M4   | 34122                | .343      | 8.71  | .636       | 16.15 | A     | .085                        | 2.16 | ✓                              | ✓             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 8        | M4   | 324955               | .312      | 7.92  | .590       | 14.99 | A     | .085                        | 2.16 | ✓                              | ✓             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 8        | M4   | 322235               | .312      | 7.92  | .590       | 14.99 | A     | .089                        | 2.26 | ✓                              | -             | 4            |                                           | 58508-1                                               | 58509-1                                     |                                         |           |
|           |                 | 10       |      | 34123                | .343      | 8.71  | .636       | 16.15 | A     | .085                        | 2.16 | ✓                              | ✓             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 10       |      | 30697                | .343      | 8.71  | .636       | 16.15 | A     | .089                        | 2.26 | ✓                              | -             | 4            |                                           | 58508-1                                               | 58509-1                                     |                                         |           |
|           |                 | 10       |      | 320093               | .312      | 7.92  | .669       | 16.99 | A     | .085                        | 2.16 | ✓                              | -             | 5            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 |          | M5   | 130106               | .344      | 8.74  | .642       | 16.30 | A     | .085                        | 2.16 | ✓                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 1/4      | M6   | 34124                | .469      | 11.91 | .855       | 21.72 | A     | .085                        | 2.16 | ✓                              | ✓             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 1/4      | M6   | 31164                | .469      | 11.91 | .855       | 21.72 | A     | .089                        | 2.26 | -                              | -             | 4            |                                           | 58508-1                                               | 58509-1                                     |                                         |           |
|           |                 | 1/4      | M6   | 130130               | .469      | 11.91 | .860       | 21.84 | A     | .085                        | 2.16 | ✓                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 5/16     | M8   | 34125                | .469      | 11.91 | .855       | 21.72 | A     | .085                        | 2.16 | ✓                              | ✓             | 5            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 3/8      |      | 34126                | .531      | 13.49 | .995       | 25.27 | A     | .085                        | 2.16 | ✓                              | ✓             | 5            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 |          | M10  | 160140               | .657      | 16.70 | 1.043      | 26.50 | A     | .085                        | 2.16 | -                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 1/2      | M12  | 50981                | .750      | 19.05 | 1.184      | 30.07 | A     | .085                        | 2.16 | -                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
| 14 - 12   | 1.65 - 4.17     | 8        | M4   | 321827               | .312      | 7.92  | .685       | 17.40 | B     | .098                        | 2.49 | -                              | -             |              | 49592                                     |                                                       |                                             |                                         |           |
|           |                 | 10       |      | 34484                | .421      | 10.69 | .739       | 18.77 | B     | .098                        | 2.49 | ✓                              | -             |              | 49592                                     |                                                       |                                             |                                         |           |
|           |                 | 10       |      | 321828               | .312      | 7.92  | .685       | 17.40 | B     | .098                        | 2.49 | ✓                              | -             |              | 49592                                     |                                                       |                                             |                                         |           |
|           |                 | 1/4      | M6   | 34487                | .421      | 10.69 | .739       | 18.77 | B     | .098                        | 2.49 | ✓                              | -             |              | 49592                                     |                                                       |                                             |                                         |           |
|           |                 | 3/8      |      | 34486                | .687      | 17.45 | 1.120      | 28.45 | B     | .098                        | 2.49 | ✓                              | -             |              | 49592                                     |                                                       |                                             |                                         |           |
| 12 - 10   | 2.62 - 6.64     | 4        | M2.5 | 322447               | .281      | 7.14  | .630       | 16.00 | A     | .129                        | 3.28 | -                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 4        | M2.5 | 34891                | .281      | 7.14  | .630       | 16.00 | A     | .134                        | 3.40 | -                              | -             | 4            |                                           | 58508-1                                               | 58509-1                                     |                                         |           |
|           |                 | 6        | M3.5 | 35476                | .281      | 7.14  | .630       | 16.00 | A     | .129                        | 3.28 | ✓                              | ✓             | 5            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 6        | M3.5 | 33456                | .375      | 9.53  | .765       | 19.43 | A     | .129                        | 3.28 | ✓                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 6        | M3.5 | 34892                | .281      | 7.14  | .630       | 16.00 | A     | .134                        | 3.40 | -                              | -             | 4            |                                           | 58508-1                                               | 58509-1                                     |                                         |           |
|           |                 | 8        | M4   | 322454               | .312      | 7.92  | .708       | 17.98 | A     | .129                        | 3.28 | ✓                              | ✓             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 8        | M4   | 32994                | .375      | 9.53  | .765       | 19.43 | A     | .129                        | 3.28 | ✓                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 10       |      | 322455               | .343      | 8.71  | .723       | 18.36 | A     | .129                        | 3.28 | ✓                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 10       |      | 33457                | .375      | 9.53  | .765       | 19.43 | A     | .129                        | 3.28 | ✓                              | -             | 5            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 10       |      | 35771                | .500      | 12.70 | .865       | 21.97 | A     | .129                        | 3.28 | ✓                              | ✓             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 10       |      | 31114                | .375      | 9.53  | .765       | 19.43 | A     | .134                        | 3.40 | ✓                              | -             | 4            |                                           | 58508-1                                               | 58509-1                                     |                                         |           |
|           |                 |          | M5   | 130191               | .374      | 9.50  | .752       | 19.10 | A     | .130                        | 3.30 | -                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 1/4      | M6   | 35772                | .500      | 12.70 | .865       | 21.97 | A     | .129                        | 3.28 | ✓                              | ✓             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 1/4      | M6   | 33458                | .531      | 13.49 | 1.004      | 25.50 | A     | .129                        | 3.28 | ✓                              | ✓             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 1/4      | M6   | 31122                | .531      | 13.49 | 1.004      | 25.50 | A     | .134                        | 3.40 | ✓                              | -             | 4            |                                           | 58508-1                                               | 58509-1                                     |                                         |           |
|           |                 | 1/4      | M6   | 165026               | .500      | 12.70 | .865       | 21.97 | A     | .129                        | 3.28 | -                              | -             |              |                                           | 58508-1                                               | 58509-1                                     |                                         |           |
|           |                 | 5/16     | M8   | 33459                | .531      | 13.49 | 1.004      | 25.50 | A     | .129                        | 3.28 | ✓                              | ✓             | 5            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 5/16     | M8   | 31123                | .531      | 13.49 | 1.004      | 25.50 | A     | .134                        | 3.40 | -                              | -             | 4            |                                           | 58508-1                                               | 58509-1                                     |                                         |           |
|           |                 | 5/16     | M8   | 35773                | .500      | 12.70 | .865       | 21.97 | A     | .129                        | 3.28 | -                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 3/8      |      | 33220                | .593      | 15.06 | 1.098      | 27.89 | A     | .129                        | 3.28 | ✓                              | ✓             | 5            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 3/8      |      | 322242               | .750      | 19.05 | 1.271      | 32.28 | A     | .129                        | 3.28 | -                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 |          | M10  | 160121               | .593      | 15.06 | 1.102      | 28.00 | A     | .129                        | 3.28 | -                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 1/2      | M12  | 35135                | .750      | 19.05 | 1.271      | 32.28 | A     | .129                        | 3.28 | ✓                              | -             | 5            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
|           |                 | 3/4      |      | 320765               | 1.250     | 31.75 | 1.896      | 48.16 | A     | .129                        | 3.28 | -                              | -             |              | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
| 8         | 6.64 - 10.5     | 8        | M4   | 324061               | .406      | 10.31 | .949       | 24.10 | C     | .172                        | 4.37 | ✓                              | -             | 5            |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|           |                 | 8        | M4   | 32996                | .469      | 11.91 | .933       | 23.70 | C     | .172                        | 4.37 | ✓                              | ✓             |              |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|           |                 | 10       |      | 33460                | .469      | 11.91 | .933       | 23.70 | C     | .172                        | 4.37 | ✓                              | ✓             |              |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|           |                 | 10       |      | 31807                | .406      | 10.31 | .949       | 24.10 | C     | .172                        | 4.37 | ✓                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|           |                 |          | M5   | 160013               | .469      | 11.90 | .933       | 23.70 | C     | .172                        | 4.37 | -                              | -             |              |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|           |                 | 1/4      | M6   | 35247                | .594      | 15.09 | 1.168      | 29.67 | A     | .172                        | 4.37 | ✓                              | ✓             |              |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|           |                 | 1/4      | M6   | 33461                | .469      | 11.91 | .933       | 23.70 | C     | .172                        | 4.37 | ✓                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|           |                 | 1/4      | M6   | 130550               | .469      | 11.91 | .938       | 23.83 | C     | .172                        | 4.37 | -                              | -             |              |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |

| Ring Tongue Terminals (continued) |             |          |     |                      |           |       |            |       |       |                             |       |                                |               |              |                                           |                                                       |                                             |                                         |           |
|-----------------------------------|-------------|----------|-----|----------------------|-----------|-------|------------|-------|-------|-----------------------------|-------|--------------------------------|---------------|--------------|-------------------------------------------|-------------------------------------------------------|---------------------------------------------|-----------------------------------------|-----------|
|                                   |             |          |     |                      |           |       |            |       |       |                             |       |                                |               |              | Manual Hand Tools                         |                                                       | Dies for Powered Tools                      |                                         |           |
| Wire Size                         |             | Studsize |     | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |       | Also available in <sup>5</sup> |               | Re-<br>marks | Certi-<br>Crimp<br>Hand Tool<br>(Premium) | Pro-<br>Crimper<br>(SDE)<br>Hand Tool<br>(Commercial) | SDE Die Set<br>(Commercial)<br>(see Note 1) | U-Style Dies<br>(see Note 2 on page 11) |           |
| AWG                               | mm²         | U.S.     | mm  |                      | inch      | mm    | inch       | mm    |       | inch                        | mm    | Tape &<br>Reel                 | Small<br>Pack |              |                                           |                                                       |                                             | Nest                                    | Indenter  |
|                                   |             | 5/16     | M8  | 33462                | .594      | 15.09 | 1.168      | 29.67 | A     | .172                        | 4.37  | ✓                              | ✓             |              |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|                                   |             | 5/16     | M8  | 31808                | .562      | 14.27 | 1.074      | 27.28 | A     | .172                        | 4.37  | ✓                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|                                   |             | 3/8      |     | 33463                | .594      | 15.09 | 1.168      | 29.67 | A     | .172                        | 4.37  | ✓                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|                                   |             |          | M10 | 160056               | .594      | 15.09 | 1.168      | 29.67 | A     | .172                        | 4.37  | -                              | -             |              |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|                                   |             | 1/2      | M12 | 35664                | 1.250     | 31.75 | 1.965      | 49.91 | A     | .172                        | 4.37  | -                              | ✓             |              |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|                                   |             | 5/8      | M16 | 35665                | 1.250     | 31.75 | 1.965      | 49.91 | A     | .172                        | 4.37  | -                              | -             |              |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
|                                   |             | 3/4      |     | 35666                | 1.250     | 31.75 | 1.965      | 49.91 | A     | .172                        | 4.37  | -                              | -             |              |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
| 6                                 | 10.5 - 16.8 | 10       |     | 52197                | .406      | 10.31 | 1.181      | 30.00 | C     | .232                        | 5.89  | ✓                              | ✓             |              |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 10       |     | 33464                | .625      | 15.88 | 1.246      | 31.65 | C     | .232                        | 5.89  | ✓                              | -             |              |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 10       |     | 321298               | .468      | 11.89 | 1.168      | 29.67 | C     | .232                        | 5.89  | ✓                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             |          | M5  | 130552               | .469      | 11.90 | 1.169      | 29.70 | C     | .228                        | 5.80  | -                              | ✓             |              |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 1/4      | M6  | 33465                | .625      | 15.88 | 1.246      | 31.65 | C     | .232                        | 5.89  | ✓                              | ✓             |              |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 1/4      | M6  | 321598               | .468      | 11.89 | 1.168      | 29.67 | C     | .232                        | 5.89  | ✓                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 1/4      | M6  | 130554               | .469      | 11.90 | 1.169      | 29.70 | C     | .228                        | 5.80  | -                              | -             |              |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 5/16     | M8  | 33466                | .625      | 15.88 | 1.246      | 31.65 | C     | .232                        | 5.89  | ✓                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 3/8      |     | 33467                | .625      | 15.88 | 1.246      | 31.65 | C     | .232                        | 5.89  | ✓                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 3/8      |     | 36807                | 1.250     | 31.75 | 2.033      | 51.64 | A     | .232                        | 5.89  | -                              | -             |              |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             |          | M10 | 160032               | .626      | 15.90 | 1.246      | 31.65 | C     | .232                        | 5.89  | -                              | ✓             |              |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 1/2      | M12 | 320344               | .875      | 22.23 | 1.840      | 46.74 | C     | .232                        | 5.89  | -                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 1/2      | M12 | 36808                | 1.250     | 31.75 | 2.033      | 51.64 | A     | .232                        | 5.89  | -                              | -             |              |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 5/8      | M16 | 36809                | 1.250     | 31.75 | 2.033      | 51.64 | A     | .232                        | 5.89  | -                              | -             |              |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
|                                   |             | 3/4      |     | 36810                | 1.250     | 31.75 | 2.033      | 51.64 | A     | .232                        | 5.89  | -                              | -             |              |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
| 4                                 | 16.8 - 26.7 | 10       |     | 33114                | .500      | 12.70 | 1.199      | 30.45 | C     | .280                        | 7.11  | -                              | -             | 5            |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             |          | M5  | 160119               | .656      | 16.66 | 1.308      | 33.22 | A     | .296                        | 7.52  | -                              | ✓             |              |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             | 1/4      | M6  | 33469                | .656      | 16.66 | 1.314      | 33.38 | A     | .296                        | 7.52  | ✓                              | ✓             |              |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             | 1/4      | M6  | 31811                | .500      | 12.70 | 1.199      | 30.45 | C     | .280                        | 7.11  | ✓                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             |          | M6  | 130560               | .657      | 16.70 | 1.307      | 33.20 | A     | .296                        | 7.52  | -                              | -             |              |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             | 5/16     | M8  | 33470                | .656      | 16.66 | 1.314      | 33.38 | A     | .296                        | 7.52  | ✓                              | ✓             |              |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             | 5/16     | M8  | 33115                | .625      | 15.88 | 1.324      | 33.63 | C     | .280                        | 7.11  | -                              | -             | 5            |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             | 3/8      |     | 33471                | .656      | 16.66 | 1.314      | 33.38 | A     | .296                        | 7.52  | -                              | ✓             |              |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             | 3/8      |     | 31812                | .625      | 15.88 | 1.324      | 33.63 | C     | .280                        | 7.11  | -                              | -             | 5            |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             |          | M10 | 160075               | .656      | 16.66 | 1.314      | 33.38 | A     | .296                        | 7.52  | -                              | ✓             |              |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             | 1/2      | M12 | 327175               | .875      | 22.23 | 1.902      | 48.31 | B     | .296                        | 7.52  | -                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             | 1/2      | M12 | 35668                | 1.250     | 31.75 | 2.090      | 53.09 | A     | .296                        | 7.52  | -                              | -             |              |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             | 5/8      | M16 | 35669                | 1.250     | 31.75 | 2.090      | 53.09 | A     | .296                        | 7.52  | -                              | -             |              |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
|                                   |             | 3/4      |     | 35670                | 1.250     | 31.75 | 2.090      | 53.09 | A     | .296                        | 7.52  | -                              | -             |              |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
| 2                                 | 26.7- 42.4  | 10       |     | 330301               | .625      | 15.88 | 1.527      | 38.79 | B     | .370                        | 9.40  | -                              | -             | 5            |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
|                                   |             | 1/4      | M6  | 320383               | .625      | 15.88 | 1.527      | 38.79 | B     | .370                        | 9.40  | -                              | -             | 5            |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
|                                   |             | 1/4      | M6  | 320138               | .890      | 22.61 | 1.657      | 42.09 | D     | .370                        | 9.40  | -                              | -             |              |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
|                                   |             | 5/16     | M8  | 322870               | .625      | 15.88 | 1.527      | 38.79 | B     | .370                        | 9.40  | -                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
|                                   |             | 5/16     | M8  | 35183                | .890      | 22.61 | 1.657      | 42.09 | D     | .370                        | 9.40  | -                              | -             |              |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
|                                   |             | 3/8      |     | 35184                | .890      | 22.61 | 1.657      | 42.09 | D     | .370                        | 9.40  | -                              | -             |              |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
|                                   |             | 3/8      |     | 321600               | .625      | 15.88 | 1.527      | 38.79 | B     | .370                        | 9.40  | -                              | -             | 5            |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
|                                   |             |          | M10 | 160002               | .874      | 22.20 | 1.661      | 42.20 | D     | .366                        | 9.30  | -                              | ✓             |              |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
|                                   |             | 1/2      | M12 | 35185                | .890      | 22.61 | 1.657      | 42.09 | D     | .370                        | 9.40  | -                              | ✓             |              |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
|                                   |             | 5/8      | M16 | 320754               | 1.250     | 31.75 | 2.516      | 63.91 | D     | .370                        | 9.40  | -                              | -             |              |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
|                                   |             | 3/4      |     | 320755               | 1.250     | 31.75 | 2.516      | 63.91 | D     | .370                        | 9.40  | -                              | -             |              |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
| 1/0                               | 42.4 - 60.6 | 1/4      | M6  | 321866               | .807      | 20.50 | 1.925      | 48.90 | C     | .444                        | 11.28 | -                              | ✓             | 5            |                                           |                                                       |                                             | 1490413-5                               | 1490414-3 |
|                                   |             | 5/16     | M8  | 36916                | .875      | 22.23 | 1.956      | 49.68 | C     | .444                        | 11.28 | -                              | ✓             |              |                                           |                                                       |                                             | 1490413-5                               | 1490414-3 |
|                                   |             | 3/8      |     | 36917                | .875      | 22.23 | 1.956      | 49.68 | C     | .444                        | 11.28 | -                              | -             |              |                                           |                                                       |                                             | 1490413-5                               | 1490414-3 |
|                                   |             | 3/8      |     | 321868               | .807      | 20.50 | 1.925      | 48.90 | C     | .444                        | 11.28 | -                              | -             | 5            |                                           |                                                       |                                             | 1490413-5                               | 1490414-3 |
|                                   |             |          | M10 | 160000               | .874      | 22.20 | 1.957      | 49.70 | B     | .445                        | 11.30 | -                              | ✓             |              |                                           |                                                       |                                             | 1490413-5                               | 1490414-3 |

**Ring Tongue Terminals (continued)**

|           |          |          |     |                      |           |       |            |       |       |                             |       |                                |               | Manual Hand Tools |                                           | Dies for Powered Tools                                |                                             |                                         |           |
|-----------|----------|----------|-----|----------------------|-----------|-------|------------|-------|-------|-----------------------------|-------|--------------------------------|---------------|-------------------|-------------------------------------------|-------------------------------------------------------|---------------------------------------------|-----------------------------------------|-----------|
| Wire Size |          | Studsize |     | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |       | Also available in <sup>5</sup> |               | Re-<br>marks      | Certi-<br>Crimp<br>Hand Tool<br>(Premium) | Pro-<br>Crimper<br>(SDE)<br>Hand Tool<br>(Commercial) | SDE Die Set<br>(Commercial)<br>(see Note 1) | U-Style Dies<br>(see Note 2 on page 11) |           |
| AWG       | mm²      | U.S.     | mm  |                      | inch      | mm    | inch       | mm    |       | inch                        | mm    | Tape &<br>Reel                 | Small<br>Pack |                   |                                           |                                                       |                                             | Nest                                    | Indenter  |
|           |          | 1/2      | M12 | 36919                | .875      | 22.23 | 1.956      | 49.68 | C     | .444                        | 11.28 | -                              | ✓             | 5                 |                                           |                                                       |                                             | 1490413-5                               | 1490414-3 |
|           |          | 5/8      | M16 | 320744               | 1.265     | 32.13 | 2.678      | 68.02 | C     | .444                        | 11.28 | -                              | -             |                   |                                           |                                                       |                                             | 1490413-5                               | 1490414-3 |
|           |          | 3/4      |     | 320748               | 1.265     | 32.13 | 2.678      | 68.02 | C     | .444                        | 11.28 | -                              | -             |                   |                                           |                                                       |                                             | 1490413-5                               | 1490414-3 |
| 2/0       | 60 - 76  | 1/4      | M6  | 36921                | .946      | 24.03 | 2.000      | 50.80 | C     | .504                        | 12.80 | -                              | ✓             |                   |                                           |                                                       |                                             | 1490413-6                               | 1490414-3 |
|           |          | 5/16     | M8  | 36922                | .946      | 24.03 | 2.000      | 50.80 | C     | .504                        | 12.80 | -                              | -             |                   |                                           |                                                       |                                             | 1490413-6                               | 1490414-3 |
|           |          | 3/8      |     | 321871               | .926      | 23.52 | 1.930      | 49.02 | C     | .504                        | 12.80 | -                              | -             | 5                 |                                           |                                                       |                                             | 1490413-6                               | 1490414-3 |
|           |          | 3/8      |     | 36923                | .946      | 24.03 | 2.000      | 50.80 | C     | .504                        | 12.80 | -                              | ✓             |                   |                                           |                                                       |                                             | 1490413-6                               | 1490414-3 |
|           |          |          | M10 | 160001               | .925      | 23.50 | 2.031      | 51.60 | C     | .504                        | 12.80 | -                              | ✓             |                   |                                           |                                                       |                                             | 1490413-6                               | 1490414-3 |
|           |          | 1/2      | M12 | 36925                | .946      | 24.03 | 2.000      | 50.80 | C     | .504                        | 12.80 | -                              | ✓             |                   |                                           |                                                       |                                             | 1490413-6                               | 1490414-3 |
|           |          | 5/8      | M16 | 322224               | 1.270     | 32.26 | 2.671      | 67.84 | C     | .504                        | 12.80 | -                              | -             |                   |                                           |                                                       |                                             | 1490413-6                               | 1490414-3 |
|           |          | 3/4      |     | 322225               | 1.270     | 32.26 | 2.671      | 67.84 | C     | .504                        | 12.80 | -                              | -             |                   |                                           |                                                       |                                             | 1490413-6                               | 1490414-3 |
| 3/0       | 76 - 96  | 5/16     | M8  | 321874               | 1.020     | 25.91 | 2.112      | 53.64 | B     | .565                        | 14.35 | -                              | ✓             | 5                 |                                           |                                                       |                                             |                                         |           |
|           |          |          | M10 | 160003               | 1.082     | 27.48 | 2.143      | 54.43 | B     | .565                        | 14.35 | -                              | ✓             |                   |                                           |                                                       |                                             | 1490413-7                               | 1490414-3 |
|           |          | 1/2      | M12 | 36929                | 1.082     | 27.48 | 2.143      | 54.43 | B     | .565                        | 14.35 | -                              | ✓             |                   |                                           |                                                       |                                             | 1490413-7                               | 1490414-3 |
|           |          | 1/2      | M12 | 321877               | 1.082     | 27.48 | 2.112      | 53.64 | B     | .565                        | 14.35 | -                              | -             | 5                 |                                           |                                                       |                                             | 1490413-7                               | 1490414-3 |
|           |          | 5/8      | M16 | 322222               | 1.270     | 32.26 | 2.699      | 68.55 | C     | .565                        | 14.35 | -                              | -             |                   |                                           |                                                       |                                             | 1490413-7                               | 1490414-3 |
|           |          | 3/4      |     | 322223               | 1.270     | 32.26 | 2.699      | 68.55 | C     | .565                        | 14.35 | -                              | -             |                   |                                           |                                                       |                                             | 1490413-7                               | 1490414-3 |
| 4/0       | 96 - 117 | 5/16     | M8  | 321271               | 1.150     | 29.21 | 2.537      | 64.44 | B     | .635                        | 16.13 | -                              | -             | 5                 |                                           |                                                       |                                             | 1490413-8                               | 1490414-3 |
|           |          | 3/8      |     | 36932                | 1.150     | 29.21 | 2.206      | 56.03 | B     | .635                        | 16.13 | -                              | -             |                   |                                           |                                                       |                                             | 1490413-8                               | 1490414-3 |
|           |          | 3/8      |     | 321878               | 1.087     | 27.61 | 2.178      | 55.32 | B     | .635                        | 16.13 | -                              | -             | 5                 |                                           |                                                       |                                             | 1490413-8                               | 1490414-3 |
|           |          |          | M10 | 160129               | 1.140     | 28.96 | 2.206      | 56.03 | B     | .635                        | 16.13 | -                              | ✓             |                   |                                           |                                                       |                                             | 1490413-8                               | 1490414-3 |
|           |          | 7/16     |     | 321879               | 1.087     | 27.61 | 2.178      | 55.32 | B     | .635                        | 16.13 | -                              | -             | 5                 |                                           |                                                       |                                             | 1490413-8                               | 1490414-3 |
|           |          | 1/2      | M12 | 321880               | 1.087     | 27.61 | 2.178      | 55.32 | B     | .635                        | 16.13 | -                              | -             | 5                 |                                           |                                                       |                                             | 1490413-8                               | 1490414-3 |
|           |          | 1/2      | M12 | 36934                | 1.150     | 29.21 | 2.206      | 56.03 | B     | .635                        | 16.13 | -                              | ✓             |                   |                                           |                                                       |                                             | 1490413-8                               | 1490414-3 |
|           |          | 5/8      | M16 | 322227               | 1.275     | 32.39 | 2.117      | 53.77 | C     | .635                        | 16.13 | -                              | -             |                   |                                           |                                                       |                                             | 1490413-8                               | 1490414-3 |
|           |          | 3/4      |     | 322228               | 1.275     | 32.39 | 2.117      | 53.77 | C     | .635                        | 16.13 | -                              | -             | 5                 |                                           |                                                       |                                             | 1490413-8                               | 1490414-3 |

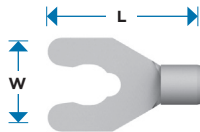


**Flag Ring Tongue**

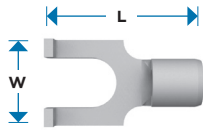
|           |             |          |    |                      |           |       |            |       |       |                             |      |                                |               |              | Manual Hand Tools                         |                                                       | Dies for Powered Tools                      |                                         |          |
|-----------|-------------|----------|----|----------------------|-----------|-------|------------|-------|-------|-----------------------------|------|--------------------------------|---------------|--------------|-------------------------------------------|-------------------------------------------------------|---------------------------------------------|-----------------------------------------|----------|
| Wire Size |             | Studsize |    | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |      | Also available in <sup>6</sup> |               | Re-<br>marks | Certi-<br>Crimp<br>Hand Tool<br>(Premium) | Pro-<br>Crimper<br>(SDE)<br>Hand Tool<br>(Commercial) | SDE Die Set<br>(Commercial)<br>(see Note 1) | U-Style Dies<br>(see Note 2 on page 11) |          |
| AWG       | mm²         | U.S.     | mm |                      | inch      | mm    | inch       | mm    |       | inch                        | mm   | Tape &<br>Reel                 | Small<br>Pack |              |                                           |                                                       |                                             | Nest                                    | Indenter |
| 12-10     | 2,62 - 6,64 | 8        | M4 | 36271                | .375      | 9.53  | .702       | 17.83 | A     | .129                        | 3.28 | -                              | -             |              | 49965                                     |                                                       |                                             |                                         |          |
|           |             | 10       |    | 36272                | .375      | 9.53  | .702       | 17.83 | A     | .129                        | 3.28 | -                              | -             |              | 49965                                     |                                                       |                                             |                                         |          |
| 8         | 6.64 - 10.5 | 10       |    | 321051               | .500      | 12.70 | .791       | 20.09 | B     | .180                        | 4.57 | -                              | -             |              |                                           |                                                       | 1752680-6                                   | 1752681-2                               |          |
|           |             | 1/4      | M6 | 322727               | .609      | 15.47 | 1.130      | 28.70 | B     | .180                        | 4.57 | -                              | -             |              |                                           |                                                       | 1752680-6                                   | 1752681-2                               |          |
| 6         | 10.5 - 16.8 | 10       |    | 323196               | .500      | 12.70 | .841       | 21.36 | A     | .224                        | 5.69 | -                              | -             |              |                                           |                                                       | 1752680-7                                   | 1752681-3                               |          |
|           |             | 1/4      | M6 | 321576               | .500      | 12.70 | .960       | 24.38 | A     | .224                        | 5.69 | -                              | -             |              |                                           |                                                       | 1752680-7                                   | 1752681-3                               |          |
|           |             | 5/16     | M8 | 321056               | .625      | 15.88 | 1.200      | 30.48 | B     | .224                        | 5.69 | -                              | -             |              |                                           |                                                       | 1752680-7                                   | 1752681-3                               |          |
| 4         | 16.8 - 26.7 | 10       |    | 321059               | .546      | 13.87 | 1.048      | 26.62 | A     | .280                        | 7.11 | -                              | -             |              |                                           |                                                       | 1752680-6                                   | 1752681-3                               |          |
|           |             | 1/4      | M6 | 321275               | .546      | 13.87 | 1.048      | 26.62 | A     | .280                        | 7.11 | -                              | -             |              |                                           |                                                       | 1752680-6                                   | 1752681-3                               |          |
|           |             | 5/16     | M8 | 321060               | .682      | 17.32 | 1.278      | 32.46 | B     | .280                        | 7.11 | -                              | -             |              |                                           |                                                       | 1752680-6                                   | 1752681-3                               |          |
| 2         | 26.7 - 42.4 | 1/4      | M6 | 321201               | .713      | 18.11 | 1.437      | 36.50 | B     | .357                        | 9.07 | -                              | -             |              |                                           |                                                       | 1752680-5                                   | 1752681-3                               |          |
|           |             | 5/16     | M8 | 321064               | .713      | 18.11 | 1.437      | 36.50 | B     | .357                        | 9.07 | -                              | -             |              |                                           |                                                       | 1752680-5                                   | 1752681-3                               |          |



| Spade Tongue |             |          |      |                      |           |       |            |       |       |                             |      |                                |            |                   |                                           |                                                       |                                             |                                         |          |
|--------------|-------------|----------|------|----------------------|-----------|-------|------------|-------|-------|-----------------------------|------|--------------------------------|------------|-------------------|-------------------------------------------|-------------------------------------------------------|---------------------------------------------|-----------------------------------------|----------|
|              |             |          |      |                      |           |       |            |       |       |                             |      |                                |            | Manual Hand Tools |                                           | Dies for Powered Tools                                |                                             |                                         |          |
| Wire Size    |             | Studsize |      | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |      | Also available in <sup>6</sup> |            | Re-<br>marks      | Certi-<br>Crimp<br>Hand Tool<br>(Premium) | Pro-<br>Crimper<br>(SDE)<br>Hand Tool<br>(Commercial) | SDE Die Set<br>(Commercial)<br>(see Note 1) | U-Style Dies<br>(see Note 2 on page 11) |          |
| AWG          | mm²         | U.S.     | mm   |                      | inch      | mm    | inch       | mm    |       | inch                        | mm   | Tape & Reel                    | Small Pack |                   |                                           |                                                       |                                             | Nest                                    | Indenter |
| 22-16        | 0,26 - 1,65 | 2        | M2   | 53555-1              | .182      | 4.62  | .504       | 12.80 | -     | .061                        | 1.55 | ✓                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 4        | M2.5 | 321463               | .218      | 5.54  | .451       | 11.46 | -     | .061                        | 1.55 | -                              | -          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 6        | M3.5 | 36195                | .297      | 7.54  | .530       | 13.46 | -     | .061                        | 1.55 | ✓                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 6        | M3.5 | 323127               | .250      | 6.35  | .623       | 15.82 | -     | .061                        | 1.55 | -                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 8        | M4   | 34117                | .375      | 9.53  | .685       | 17.40 | -     | .061                        | 1.55 | ✓                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             |          | M4   | 130519               | .280      | 7.10  | .591       | 15.00 | -     | .059                        | 1.50 | -                              | -          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 10       |      | 34118                | .375      | 9.53  | .685       | 17.40 | -     | .061                        | 1.55 | ✓                              | -          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
| 16-14        | 1,04 - 2,62 | 6        | M3.5 | 322996               | .297      | 7.54  | .530       | 13.46 | -     | .085                        | 2.16 | ✓                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 6        | M3.5 | 330827               | .244      | 6.20  | .623       | 15.82 | -     | .085                        | 2.16 | -                              | -          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 8        | M4   | 34128                | .385      | 9.78  | .685       | 17.40 | -     | .085                        | 2.16 | -                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 8        | M4   | 36880                | .297      | 7.54  | .530       | 13.46 | -     | .085                        | 2.16 | -                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 10       |      | 324521               | .344      | 8.74  | .733       | 18.62 | -     | .085                        | 2.16 | -                              | -          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
| 12-10        | 2,62 - 6,64 | 6        | M3.5 | 322451               | .282      | 7.16  | .631       | 16.03 | -     | .129                        | 3.28 | -                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 8        | M4   | 32995                | .406      | 10.31 | .772       | 19.61 | -     | .129                        | 3.28 | -                              | -          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             |          | M4.5 | 130499               | .315      | 8.00  | .900       | 22.86 | -     | .129                        | 3.28 | -                              | -          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|              |             | 10       |      | 35495                | .375      | 9.53  | .772       | 19.61 | -     | .129                        | 3.28 | ✓                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |

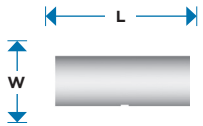


| Short Spring Spade |             |          |      |                      |           |       |            |       |       |                             |      |                                |            |          |                                 |                                          |                                       |                                      |          |
|--------------------|-------------|----------|------|----------------------|-----------|-------|------------|-------|-------|-----------------------------|------|--------------------------------|------------|----------|---------------------------------|------------------------------------------|---------------------------------------|--------------------------------------|----------|
|                    |             |          |      |                      |           |       |            |       |       |                             |      |                                |            |          | Manual Hand Tools               |                                          | Dies for Powered Tools                |                                      |          |
| Wire Size          |             | Studsize |      | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |      | Also available in <sup>6</sup> |            | Re-marks | Certi-Crimp Hand Tool (Premium) | Pro-Crimper (SDE) Hand Tool (Commercial) | SDE Die Set (Commercial) (see Note 1) | U-Style Dies (see Note 2 on page 11) |          |
| AWG                | mm²         | U.S.     | mm   |                      | inch      | mm    | inch       | mm    |       | inch                        | mm   | Tape & Reel                    | Small Pack |          |                                 |                                          |                                       | Nest                                 | Indenter |
| 22-16              | 0,26 - 1,65 | 4        | M2.5 | 53175-1              | .203      | 5.16  | .576       | 14.63 | -     | .061                        | 1.55 | -                              | ✓          | 1        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                    |             | 6        | M3.5 | 53120-1              | .250      | 6.35  | .576       | 14.63 | -     | .061                        | 1.55 | ✓                              | ✓          | 1        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                    |             | 8        | M4   | 53831-1              | .244      | 6.20  | .637       | 16.18 | -     | .061                        | 1.55 | ✓                              | -          | 1        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                    |             | 10       |      | 53832-1              | .294      | 7.47  | .685       | 17.40 | -     | .061                        | 1.55 | ✓                              | -          | 1        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
| 16-14              | 1,04 - 2,62 | 6        | M3.5 | 53123-1              | .250      | 6.35  | .576       | 14.63 | -     | .085                        | 2.16 | ✓                              | ✓          | 1        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                    |             | 8        | M4   | 53124-1              | .375      | 9.53  | .637       | 16.18 | -     | .085                        | 2.16 | ✓                              | -          | 1        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                    |             | 10       |      | 53125-1              | .406      | 10.31 | .685       | 17.40 | -     | .085                        | 2.16 | ✓                              | ✓          | 1        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
| 12-10              | 2,62 - 6,64 | 6        | M3.5 | 53126-1              | .250      | 6.35  | .636       | 16.15 | -     | .129                        | 3.28 | ✓                              | ✓          | 1        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                    |             | 8        | M4   | 53127-1              | .375      | 9.53  | .729       | 18.52 | -     | .129                        | 3.28 | ✓                              | ✓          | 1        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
|                    |             | 10       |      | 53128-1              | .406      | 10.31 | .777       | 19.74 |       | .129                        | 3.28 | ✓                              | -          | 1        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |



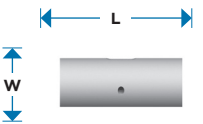
### Flanged Spade Tongue

|           |             |          |      |                      |           |       |            |       |       |                             |      |                                |            | Manual Hand Tools |                                           | Dies for Powered Tools                                |                                             |                                         |          |
|-----------|-------------|----------|------|----------------------|-----------|-------|------------|-------|-------|-----------------------------|------|--------------------------------|------------|-------------------|-------------------------------------------|-------------------------------------------------------|---------------------------------------------|-----------------------------------------|----------|
| Wire Size |             | Studsize |      | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |      | Also available in <sup>6</sup> |            | Re-<br>marks      | Certi-<br>Crimp<br>Hand Tool<br>(Premium) | Pro-<br>Crimper<br>(SDE)<br>Hand Tool<br>(Commercial) | SDE Die Set<br>(Commercial)<br>(see Note 1) | U-Style Dies<br>(see Note 2 on page 11) |          |
| AWG       | mm²         | U.S.     | mm   |                      | inch      | mm    | inch       | mm    |       | inch                        | mm   | Tape & Reel                    | Small Pack |                   |                                           |                                                       |                                             | Nest                                    | Indenter |
| 22-16     | 0,26 - 1,65 | 2        | M2   | 324605               | .182      | 4.62  | .504       | 12.80 | -     | .061                        | 1.55 | -                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|           |             | 6        | M3.5 | 323136               | .250      | 6.35  | .514       | 13.06 | -     | .061                        | 1.55 | ✓                              | -          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|           |             | 8        | M4   | 52730                | .296      | 7.52  | .514       | 13.06 | -     | .061                        | 1.55 | ✓                              | -          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
| 16-14     | 1,04 - 2,62 | 6        | M3.5 | 320855               | .294      | 7.47  | .514       | 13.06 | -     | .085                        | 2.16 | ✓                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|           |             | 8        | M4   | 320856               | .294      | 7.47  | .514       | 13.06 | -     | .085                        | 2.16 | ✓                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|           |             | 10       |      | 320857               | .294      | 7.47  | .514       | 13.06 | -     | .085                        | 2.16 | ✓                              | ✓          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
| 12-10     | 2,62 - 6,64 | 8        | M4   | 323143               | .416      | 10.57 | .694       | 17.63 | -     | .129                        | 3.28 | -                              | -          |                   | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |          |
|           |             | 10       |      | 323144               | .416      | 10.57 | .694       | 17.63 |       | .129                        | 3.28 | ✓                              | -          |                   |                                           |                                                       |                                             |                                         |          |



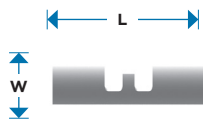
### Standard Butt Splices

|           |             |          |      |                      |           |       |            |       |       |                             |      |                                |            | Manual Hand Tools |                                           | Dies for Powered Tools                                |                                             |                                         |           |
|-----------|-------------|----------|------|----------------------|-----------|-------|------------|-------|-------|-----------------------------|------|--------------------------------|------------|-------------------|-------------------------------------------|-------------------------------------------------------|---------------------------------------------|-----------------------------------------|-----------|
| Wire Size |             | Studsize |      | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |      | Also available in <sup>6</sup> |            | Re-<br>marks      | Certi-<br>Crimp<br>Hand Tool<br>(Premium) | Pro-<br>Crimper<br>(SDE)<br>Hand Tool<br>(Commercial) | SDE Die Set<br>(Commercial)<br>(see Note 1) | U-Style Dies<br>(see Note 2 on page 11) |           |
| AWG       | mm²         | U.S.     | mm   |                      | inch      | mm    | inch       | mm    |       | inch                        | mm   | Tape & Reel                    | Small Pack |                   |                                           |                                                       |                                             | Nest                                    | Indenter  |
| 22-16     | 0,26 - 1,65 | n.a.     | n.a. | 31818                | .136      | 3.45  | .578       | 14.68 | A     | .065                        | 1.65 | ✓                              | ✓          | 2                 | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
| 16-14     | 1,04 - 2,62 | n.a.     | n.a. | 31819                | .160      | 4.06  | .567       | 14.40 | A     | .089                        | 2.26 | ✓                              | ✓          | 2                 | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
| 12-10     | 2,62 - 6,64 | n.a.     | n.a. | 32151                | .221      | 5.61  | .565       | 14.35 | A     | .134                        | 3.40 | -                              | ✓          | 2                 | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
| 8         | 6.64 - 10.5 | n.a.     | n.a. | 34321                | .296      | 7.52  | .827       | 21.01 | A     | .172                        | 4.37 | -                              | ✓          | 2                 |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
| 6         | 10.5 - 16.8 | n.a.     | n.a. | 34322                | .369      | 9.37  | 1.015      | 25.78 | A     | .232                        | 5.89 | -                              | ✓          | 2                 |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
| 4         | 16.8 - 26.7 | n.a.     | n.a. | 34323                | .463      | 11.76 | 1.140      | 28.96 | A     | .296                        | 7.52 | -                              | ✓          | 2                 |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
| 2         | 26.7 - 42.4 | n.a.     | n.a. | 35189                | .539      | 13.69 | 1.265      | 32.13 | A     | .370                        | 9.40 | -                              | ✓          | 2                 |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |

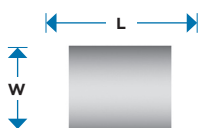


### Sighthole Butt Splices

|           |             |          |      |                      |           |       |            |       |       |                             |      |                                |            | Manual Hand Tools |                                 | Dies for Powered Tools                   |                                       |                                      |           |
|-----------|-------------|----------|------|----------------------|-----------|-------|------------|-------|-------|-----------------------------|------|--------------------------------|------------|-------------------|---------------------------------|------------------------------------------|---------------------------------------|--------------------------------------|-----------|
| Wire Size |             | Studsize |      | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |      | Also available in <sup>6</sup> |            | Re-marks          | Certi-Crimp Hand Tool (Premium) | Pro-Crimper (SDE) Hand Tool (Commercial) | SDE Die Set (Commercial) (see Note 1) | U-Style Dies (see Note 2 on page 11) |           |
| AWG       | mm²         | U.S.     | mm   |                      | inch      | mm    | inch       | mm    |       | inch                        | mm   | Tape & Reel                    | Small Pack |                   |                                 |                                          |                                       | Nest                                 | Indenter  |
| 22-16     | 0,26 - 1,65 | n.a.     | n.a. | 330367               | .141      | 3.58  | .578       | 14.68 | B     | .061                        | 1.55 | ✓                              | ✓          | 2                 | 49935                           | 58546-1                                  | 58545-1                               |                                      |           |
| 16-14     | 1,04 - 2,62 | n.a.     | n.a. | 330368               | .165      | 4.19  | .567       | 14.40 | B     | .085                        | 2.16 | -                              | -          | 2                 | 49935                           | 58546-1                                  | 58545-1                               |                                      |           |
| 14-12     | 1.65 - 4.17 | n.a.     | n.a. | 321280               | .178      | 4.52  | .690       | 17.53 | B     | .098                        | 2.49 | ✓                              | -          | 2                 | 49592                           |                                          |                                       |                                      |           |
| 12-10     | 2,62 - 6,64 | n.a.     | n.a. | 330369               | .226      | 5.74  | .567       | 14.40 | B     | .129                        | 3.28 | -                              | ✓          | 2                 | 49935                           | 58546-1                                  | 58545-1                               |                                      |           |
| 8         | 6.64 - 10.5 | n.a.     | n.a. | 36906                | .296      | 7.52  | .827       | 21.01 | B     | .172                        | 4.37 | -                              | ✓          | 2                 |                                 |                                          |                                       | 1490413-1                            | 1490414-1 |
| 6         | 10.5 - 16.8 | n.a.     | n.a. | 36886                | .369      | 9.37  | 1.015      | 25.78 | B     | .232                        | 5.89 | -                              | ✓          | 2                 |                                 |                                          |                                       | 1490413-2                            | 1490414-2 |
| 4         | 16.8 - 26.7 | n.a.     | n.a. | 320238               | .463      | 11.76 | 1.140      | 28.96 | B     | .296                        | 7.52 | -                              | -          | 2                 |                                 |                                          |                                       | 1490413-3                            | 1490414-2 |
| 2         | 26.7 - 42.4 | n.a.     | n.a. | 322246               | .539      | 13.69 | 1.265      | 32.13 | B     | .370                        | 9.40 | -                              | -          | 2                 |                                 |                                          |                                       | 1490413-4                            | 1490414-2 |



| Strap Butt Splices |             |          |      |                      |           |      |            |       |       |                             |      |                                |            |          |                                 |                                          |                                       |                                      |          |
|--------------------|-------------|----------|------|----------------------|-----------|------|------------|-------|-------|-----------------------------|------|--------------------------------|------------|----------|---------------------------------|------------------------------------------|---------------------------------------|--------------------------------------|----------|
|                    |             |          |      |                      |           |      |            |       |       |                             |      |                                |            |          | Manual Hand Tools               |                                          | Dies for Powered Tools                |                                      |          |
| Wire Size          |             | Studsize |      | Standard Part Number | Width (W) |      | Length (L) |       | Style | Wire Barrel Min. Inside Dia |      | Also available in <sup>6</sup> |            | Re-marks | Certi-Crimp Hand Tool (Premium) | Pro-Crimper (SDE) Hand Tool (Commercial) | SDE Die Set (Commercial) (see Note 1) | U-Style Dies (see Note 2 on page 11) |          |
| AWG                | mm²         | U.S.     | mm   |                      | inch      | mm   | inch       | mm    |       | inch                        | mm   | Tape & Reel                    | Small Pack |          |                                 |                                          |                                       | Nest                                 | Indenter |
| 26-22              | 0.10 - 0.41 | n.a.     | n.a. | 321198               | .077      | 1.96 | .385       | 9.78  | C     | .034                        | 0.86 | -                              | ✓          | 2        | 69363                           |                                          |                                       |                                      |          |
| 24-20              | 0.16 - 0.65 | n.a.     | n.a. | 324001               | .105      | 2.67 | .490       | 12.45 | C     | .043                        | 1.09 | -                              | ✓          | 2        | 69363                           |                                          |                                       |                                      |          |
| 22-16              | 0.26 - 1.65 | n.a.     | n.a. | 2-321801-3           | .136      | 3.45 | .591       | 15.01 | C     | .065                        | 1.65 | -                              | -          | 2        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
| 16-14              | 1.04 - 2.62 | n.a.     | n.a. | 322459               | .160      | 4.06 | .591       | 15.01 | C     | .089                        | 2.26 | -                              | -          | 2        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |
| 12-10              | 2.62 - 6.64 | n.a.     | n.a. | 324893               | .221      | 5.61 | .765       | 19.43 | C     | .134                        | 3.40 | -                              | -          | 2        | 49935                           | 58546-1                                  | 58545-1                               |                                      |          |



| Parallel Splices |                 |          |      |                      |           |       |            |       |       |                             |       |                                |            |              |                                           |                                                       |                                             |                                         |           |
|------------------|-----------------|----------|------|----------------------|-----------|-------|------------|-------|-------|-----------------------------|-------|--------------------------------|------------|--------------|-------------------------------------------|-------------------------------------------------------|---------------------------------------------|-----------------------------------------|-----------|
|                  |                 |          |      |                      |           |       |            |       |       |                             |       |                                |            |              | Manual Hand Tools                         |                                                       | Dies for Powered Tools                      |                                         |           |
| Wire Size        |                 | Studsize |      | Standard Part Number | Width (W) |       | Length (L) |       | Style | Wire Barrel Min. Inside Dia |       | Also available in <sup>6</sup> |            | Re-<br>marks | Certi-<br>Crimp<br>Hand Tool<br>(Premium) | Pro-<br>Crimper<br>(SDE)<br>Hand Tool<br>(Commercial) | SDE Die Set<br>(Commercial)<br>(see Note 1) | U-Style Dies<br>(see Note 2 on page 11) |           |
| AWG              | mm <sup>2</sup> | U.S.     | mm   |                      | inch      | mm    | inch       | mm    |       | inch                        | mm    | Tape & Reel                    | Small Pack |              |                                           |                                                       |                                             | Nest                                    | Indenter  |
| 22-16            | 0,26 - 1,65     | n.a.     | n.a. | 34130                | .141      | 3.58  | .301       | 7.65  | -     | .061                        | 1.55  | -                              | ✓          | 3            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
| 16-14            | 1,04 - 2,62     | n.a.     | n.a. | 34137                | .165      | 4.19  | .301       | 7.65  | -     | .085                        | 2.16  | -                              | ✓          | 3            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
| 12-10            | 2,62 - 6,64     | n.a.     | n.a. | 34138                | .226      | 5.74  | .343       | 8.71  | -     | .129                        | 3.28  | -                              | -          | 3            | 49935                                     | 58546-1                                               | 58545-1                                     |                                         |           |
| 8                | 6.64 - 10.5     | n.a.     | n.a. | 34318                | .296      | 7.52  | .375       | 9.53  | -     | .172                        | 4.37  | -                              | ✓          | 3            |                                           |                                                       |                                             | 1490413-1                               | 1490414-1 |
| 6                | 10.5 - 16.8     | n.a.     | n.a. | 34319                | .369      | 9.37  | .437       | 11.10 | -     | .232                        | 5.89  | -                              | ✓          | 3            |                                           |                                                       |                                             | 1490413-2                               | 1490414-2 |
| 4                | 16.8 - 26.7     | n.a.     | n.a. | 34320                | .463      | 11.76 | .531       | 13.49 | -     | .296                        | 7.52  | -                              | ✓          | 3            |                                           |                                                       |                                             | 1490413-3                               | 1490414-2 |
| 2                | 26.7 - 42.4     | n.a.     | n.a. | 35187                | .539      | 13.69 | .640       | 16.26 | -     | .370                        | 9.40  | -                              | ✓          | 3            |                                           |                                                       |                                             | 1490413-4                               | 1490414-2 |
| 1/0              | 42.4 - 60.6     | n.a.     | n.a. | 36946                | .613      | 15.57 | .734       | 18.64 | -     | .444                        | 11.28 | -                              | -          | 3            |                                           |                                                       |                                             | 1490413-5                               | 1490414-3 |
| 2/0              | 60.6 - 76.3     | n.a.     | n.a. | 36948                | .703      | 17.86 | .734       | 18.64 | -     | .504                        | 12.80 | -                              | ✓          | 3            |                                           |                                                       |                                             | 1490413-6                               | 1490414-3 |
| 3/0              | 76.3 - 96.3     | n.a.     | n.a. | 36909                | .775      | 19.69 | .749       | 19.02 | -     | .565                        | 14.35 | -                              | -          | 3            |                                           |                                                       |                                             | 1490413-7                               | 1490414-3 |
| 4/0              | 96.3 - 117      | n.a.     | n.a. | 36951                | .869      | 22.07 | .765       | 19.43 | -     | .635                        | 16.13 | -                              | -          | 3            |                                           |                                                       |                                             | 1490413-8                               | 1490414-3 |

## REMARKS

- Terminal Body : Phosphor Bronze per ASTM B103
- When terminating 2 or more wires in either end of a butt splice, the combined cross sectional area must be within the listed circular mil area range (CMA)
- When terminating 2 or more wires in a parallel splice, the combined cross sectional area must be within the listed circular mil area range (CMA)
- Budget Terminals don't have a brazed seam in the wire barrel and are ideal for applications where extreme vibrations and tension on the wire are not present
- MIL specified
- ✓ Standard Part Number also available in Tape & Reel and/or Small Pack  
- Standard Part Number is not available in Tape & Reel and/or Small Pack

For all remarks and additional information see Customer Drawing on [www.te.com](http://www.te.com)

## NOTE 1

SDE die sets can be used with the following powered tools:

- 1.75 Ton Battery Tools 2217480-1 or 2217480-2
- Pro-Crimper Adapter 679304-1 for the 626 Pneumatic Tool System
- AT-300 Bench Terminator with SDE Adapter 1673663-2
- AT-SC MK II Pneumatic Safety Crimping Machine 1-528050-0 with SDE Die Holder 2-525051-8
- SDE Micro Tool 2280380-1

## NOTE 2

U Style Dies can be used with the following manual, pneumatic, hydraulic and battery powered tools:

- Manual Hydraulic Tools 1490748-1 and 1490749-1
- Hydraulic Heads 1490745-1 and 1490746-1
- 6 Ton Inline Battery Tools 2280116-1 & -2 (8 to 2 AWG only)
- 6 Ton Pistol Grip Battery Tools 2161171-1 & -2 (8 to 2 AWG only)
- 12 Ton Pistol Grip Battery Tools 2280308-1 & -2
- AT-60 Pneumatic Crimping Machine 528050-9 with U-Die Adapter 2-528051-3 (8 to 2 AWG only)
- AT-66 Hydraulic Crimping Machine 528050-5 & -6 with U-Die Adapter 528051-4

## FREQUENTLY ASKED QUESTIONS

### Can wires be combined in SOLISTRAND products?

Yes, they can as long total CMA (Circular Mil Area) fall within specification.

### Are TE terminals MIL specified?

Yes, most of them meet or exceed SAE AS7928, Type I, class 1.

### What product should you use for applications with temperatures over 170 degrees Celsius?

Use TE STRATO-THERM Terminals & Splices (catalog 82011).

### What are the best options when you require better strain relief and/or insulated Terminals & Splices?

The best options are using TE PIDG Terminals & Splices (high vibration and reliability) or TE PLASTI-GRIP Terminals & Splices (low vibration). See also Quick Reference Guides 1773464-1 and 6-1773465-8



#### 1. Dimples or grooves

The inner surface with dimples or grooves ensures optimal tensile strength and maximum electrical contact

#### 2. Solder joint

Soldering of the crimp barrel prevents the terminal from opening during crimping

#### 3. Funnel entry

The conical sleeve enables easy conductor insertion

#### 4. Tab

Gradual transition makes the tab resistant to buckling

## UNDERSTAND YOUR TE TOOLING OPTIONS

### Commerical Portable Tools



58546-1 - PRO-CRIMPER  
Commercial Hand Tool  
(crimps most 26-10  
AWG SOLISTRAND)



SDE Micro  
Battery Tool



SDE  
Die Sets

### Premium Portable Tools



CERTI Crimp HHHT



CERTI Crimp DAHT



CERTI Crimp 1.5  
TOA Battery Tool

### Hydraulic Tooling



Shenk Dies



U Dies



Medium Duty Crimp Heads



Battery Tools



Hydraulic Pump

<http://tooling.te.com>

For questions about our connectivity solutions please go to [te.com](http://te.com).

## **[www.te.com/products/industrial-terminals-splices](http://www.te.com/products/industrial-terminals-splices)**

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