



### PLASTI-GRIP

#### Product Facts

- Pre-insulated PLASTI-GRIP solderless terminals and splices
- Designed specifically to answer the need for inexpensive, insulated electrical terminations
- Can be used in almost every type of commercial application
- Accommodate wire sizes from 22 AWG through 2/0 AWG

#### The Crimp

- Carefully engineered application tooling has been developed to ensure uniformly high quality terminations
- Tool and terminal have been designed as a team to promote ease and speed of application and at the same time to provide precise crimping pressure for every wire size
- The wire and the terminal barrel form a homogeneous mass of metal, providing a connection of maximum conductivity, tensile strength, and high resistance to corrosion
- The quality performance, the facility of installation and the inherent simplicity make them ideal for many industrial applications

**Color Coding.** Terminal insulation is color-coded by wire size range to eliminate errors during installation.

**Funnel Entry.** Assures rapid wire insertion during high speed production. (Except 8 to 2/0 range.)

**Serrations.** Serrations inside barrel provide maximum contact and tensile strength after crimping. Dimples on 8 to 2/0 range.

**Insulation.** Vinyl insulation sleeve provides good dielectric strength and supports the wire insulation so that no bare wire is exposed.

**Basic Terminal Material.** The basic terminal is constructed of fine grade high conductivity copper per ASTM B-152 and tin-plated per ASTM B-545. Basic material for Spring Spade Tongue Terminals is phosphor bronze per ASTM B-139 or brass per ASTM B-36 and tin-plated per ASTM B-545. AMP's special plating process creates durable corrosion resistance to salt spray and most chemical fumes.

**Temperature Rating: 90°C Max.**

**AMP PLASTI-GRIP Terminals and Splices (Use PLASTI-GRIP or PIDG Tooling)**

| AMP Wire Range                                       | UL Listed   | LR 7189 Certified                             | 8 thru 4/0 600V  |
|--|---|---|--|
| Except as noted with individual part number listing. |   |   |  |
| 22-16  | Terminals, Butt & Parallel Splices 22-16 Solid or Stranded <sup>1</sup> | 600 V Max. (1000 V Fixture or Sign) 90°C Max. | Recognized under the component program of Underwriters Laboratories Incorporated File No. E13288 |
| 16-14  | Terminals, Butt & Parallel Splices 16-14 Solid or Stranded <sup>1</sup> |   |  |
| 12-10  | Terminals, Butt & Parallel Splices 12-10 Solid or Stranded <sup>1</sup> |   |  |

**Note: 22-16 terminals and splices are stamped 22-18 in accordance with MIL-T-7928.**  
<sup>1</sup>Stranded wire only using TETRA-CRIMP tooling.

PLASTI-GRIP

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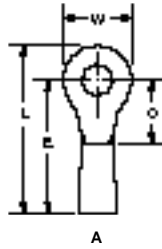
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**PLASTI-GRIP** (Continued)

**Ring Tongue Terminals**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Style | Dimensions |           |           |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|---|---|--------------|-------|------------|-----------|-----------|-----------|---------------------------------|--|----------------|-----------------|
|   |   |              |       | W          | C<br>Min. | E<br>Max. | L<br>Max. |                                 |  | Loose<br>Piece | Tape<br>Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]                 | .033<br>0.84                            | 2<br>M2      | A     | .218       | .156      | .572      | .684      | Red                             | .140                                   | 34140*         | 2-34140-1       |
|   |   |              |       | 5.54       | 3.96      | 14.53     | 17.37     |                                 |  |                |                 |
|   |   | 4            | A     | .218       | .156      | .572      | .684      | Red                             | .125                                   | 32944*         | 2-32944-1       |
|   |   |              |       | 5.54       | 3.96      | 14.53     | 17.37     |                                 |  |                |                 |
|   |   |              |       | .218       | .156      | .572      | .684      | Red                             | .140                                   | 34141*         | 2-34141-1       |
|   |   |              |       | 5.54       | 3.96      | 14.53     | 17.37     |                                 |  |                |                 |
|   |   |              |       | .281       | .250      | .666      | .809      | Red                             | .140                                   | 34143          | 2-34143-1       |
|   |   |              |       | 7.14       | 6.35      | 16.92     | 20.55     |                                 |  |                |                 |
|   |   | 6<br>M3.5    | A     | .218       | .156      | .572      | .684      | Red                             | .125                                   | 32945*         | 2-32945-1       |
|   |   |              |       | 5.54       | 3.96      | 14.53     | 17.37     |                                 |  |                |                 |
|   |   |              |       | .218       | .156      | .572      | .684      | Red                             | .140                                   | 34142*         | 1-34142-1       |
|   |   |              |       | 5.54       | 3.96      | 14.53     | 17.37     |                                 |  |                |                 |
|   |   |              |       | .281       | .250      | .666      | .809      | Red                             | .125                                   | 32947*         | 2-32947-1       |
|   |   |              |       | 7.14       | 6.35      | 16.92     | 20.55     |                                 |  |                |                 |
|   |   | 8<br>M4      | A     | .281       | .250      | .666      | .809      | Red                             | .140                                   | 34144*         | 2-34144-1       |
|   |   |              |       | 7.14       | 6.35      | 16.92     | 20.55     |                                 |  |                |                 |
|   |   |              |       | .281       | .250      | .666      | .809      | Black                           | .140                                   | 326819         | 2-326819-1      |
|   |   |              |       | 7.14       | 6.35      | 16.92     | 20.55     |                                 |  |                |                 |
|   |   |              |       | .281       | .250      | .666      | .809      | Red                             | .170                                   | —              | 2-35449-1       |
|   |   |              |       | 7.14       | 6.35      | 16.92     | 20.55     |                                 |  |                |                 |
|   |   | 10           | A     | .312       | .281      | .697      | .856      | Red                             | .125                                   | 32950          | 2-32950-1       |
|   |   |              |       | 7.92       | 7.14      | 17.70     | 21.74     |                                 |  |                |                 |
|   |   |              |       | .312       | .281      | .697      | .856      | Red                             | .140                                   | 34147*         | 2-34147-1       |
|   |   |              |       | 7.92       | 7.14      | 17.70     | 21.74     |                                 |  |                |                 |
| .281  | .250                                    |              |       | .666       | .809      | Red       | .125      | 32948*                          | 2-32948-1                              |                |                 |
| 7.14  | 6.35                                    |              |       | 16.92      | 20.55     |           |           |                                 |  |                |                 |
| .281  | .250                                    |              |       | .666       | .809      | Red       | .140      | 34145*                          | 2-34145-1                              |                |                 |
| 7.14  | 6.35                                    |              |       | 16.92      | 20.55     |           |           |                                 |  |                |                 |
| 1/4<br>M6   | A                                       |              |       | .312       | .281      | .697      | .856      | Red                             | .125                                   | 32951*         | 2-32951-1       |
|   |   |              |       | 7.92       | 7.14      | 17.70     | 21.74     |                                 |  |                |                 |
|   |   |              |       | .312       | .281      | .697      | .856      | Red                             | .140                                   | 34148*         | 2-34148-1       |
|   |   |              |       | 7.92       | 7.14      | 17.70     | 21.74     |                                 |  |                |                 |
|   |   | .312         | .281  | .746       | .905      | Red       | .200      | —                               | 2-34148-4                              |                |                 |
|   |   | 7.92         | 7.14  | 18.95      | 22.99     |           |           |                                 |  |                |                 |
| 1/4<br>M6   | A                                       | .281         | .250  | .666       | .809      | Red       | .125      | 32949*                          | 2-32949-1                              |                |                 |
|   |   | 7.14         | 6.35  | 16.92      | 20.55     |           |           |                                 |  |                |                 |
|   |   | .281         | .250  | .666       | .809      | Red       | .140      | 34146*                          | 2-34146-1                              |                |                 |
|   |   | 7.14         | 6.35  | 16.92      | 20.55     |           |           |                                 |  |                |                 |
|   |   | .281         | .250  | .666       | .809      | Black     | .140      | 2-34146-4                       | 2-34146-5                              |                |                 |
|   |   | 7.14         | 6.35  | 16.92      | 20.55     |           |           |                                 |  |                |                 |
| 1/4<br>M6   | A                                       | .281         | .250  | .666       | .809      | Red       | .170      | 35451                           | 2-35451-1                              |                |                 |
|   |   | 7.14         | 6.35  | 16.92      | 20.55     |           |           |                                 |  |                |                 |
|   |   | .312         | .281  | .697       | .856      | Red       | .125      | 32952*                          | 2-32952-1                              |                |                 |
|   |   | 7.92         | 7.14  | 17.70      | 21.74     |           |           |                                 |  |                |                 |
|   |   | .312         | .281  | .697       | .856      | Red       | .140      | 34149*                          | 2-34149-1                              |                |                 |
|   |   | 7.92         | 7.14  | 17.70      | 21.74     |           |           |                                 |  |                |                 |
| 1/4<br>M6   | A                                       | .312         | .281  | .746       | .905      | Red       | .200      | —                               | 2-34149-3                              |                |                 |
|   |   | 7.92         | 7.14  | 18.95      | 22.99     |           |           |                                 |  |                |                 |
|   |   | .469         | .437  | .853       | 1.090     | Red       | .125      | 32953*                          | 2-32953-1                              |                |                 |
| 11.91   | 11.10                                   | 21.67        | 27.69 |            |           |           |           |                                 |  |                |                 |
| 1/4<br>M6   | A                                       | .469         | .437  | .853       | 1.090     | Red       | .140      | 34150*                          | 2-34150-1                              |                |                 |
|   |   | 11.91        | 11.10 | 21.67      | 27.69     |           |           |                                 |  |                |                 |
|   |   | .469         | .437  | .853       | 1.090     | Black     | .140      | —                               | 2-34150-3                              |                |                 |
|   |   |              |       |            |           |           |           |                                 |  |                |                 |

\*Available in small packaging quantities.  
**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole. (Styles A & E).

PLASTI-GRIP



**PLASTI-GRIP** (Continued)

**Ring Tongue Terminals**

(Continued)

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Style | Dimensions |           |           |             | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|--|---|--------------|-------|------------|-----------|-----------|-------------|---------------------------------|--|----------------|-----------------|
|  |   |              |       | W          | C<br>Min. | E<br>Max. | L<br>Max.   |                                 |  | Loose<br>Piece | Tape<br>Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]                | .033<br>0.84                            | 5/16<br>M8   | A     | .469       | .437      | .853      | 1.090       | Red                             | .140                                   | 34151*         | 2-34151-1       |
|  |   |              |       | 11.91      | 11.10     | 21.67     | 27.69       | Black                           | .140                                   | —              | 2-34151-3       |
|  |   | 3/8          | A     | .531       | .546      | .962      | 1.230       | Red                             | .140                                   | 34152*         | 2-34152-2       |
|  |   |              |       | 13.49      | 13.87     | 24.43     | 31.24       | Black                           | .140                                   | —              | 2-34152-4       |
|  |   | 4            | A     | .250       | .171      | .587      | .715        | Blue                            | .170                                   | 34157*         | 2-34157-1       |
|  |   |              |       | 6.35       | 4.34      | 14.91     | 18.16       | Blue                            | .145                                   | 32957*         | 2-32957-1       |
| 6<br>M3.5  | .033<br>0.84                            | A            | .250  | .171       | .587      | .715      | Blue        | .170                            | 34158*                                 | 2-34158-1      |                 |
|  |   |              | 6.35  | 4.34       | 14.91     | 18.16     | Blue        | 3.68                            | 32958*                                 | 2-32958-1      |                 |
|  |   | A            | .343  | .281       | .697      | .871      | Blue        | .145                            | 34159*                                 | 2-34159-1      |                 |
|  |   |              | 8.71  | 7.14       | 17.70     | 22.12     | Blue        | 3.68                            | —                                      | —              |                 |
|  |   | A            | .312  | .250       | .666      | .825      | Blue        | .170                            | 328527*                                | 2-328527-1     |                 |
|  |   |              | 7.92  | 6.35       | 16.92     | 20.96     | Blue        | 4.32                            | —                                      | —              |                 |
| 8<br>M4  | .033<br>0.84                            | A            | .343  | .281       | .697      | .871      | Blue        | .145                            | 32959*                                 | 2-32959-1      |                 |
|  |   |              | 8.71  | 7.14       | 17.70     | 22.12     | Blue        | 3.68                            | 34160*                                 | 2-34160-1      |                 |
|  |   | A            | .343  | .281       | .697      | .871      | Blue        | .170                            | 34160*                                 | 2-34160-1      |                 |
|  |   |              | 8.71  | 7.14       | 17.70     | 22.12     | Blue        | 4.32                            | —                                      | —              |                 |
|  |   | A            | .343  | .281       | .746      | .920      | Blue        | .250                            | 2-34160-2                              | 2-34160-3      |                 |
|  |   |              | 8.71  | 7.14       | 18.95     | 23.37     | Blue        | 6.35                            | —                                      | —              |                 |
| 10   | .033<br>0.84                            | A            | .343  | .281       | .697      | .871      | Blue        | .145                            | 32960*                                 | 2-32960-1      |                 |
|  |   |              | 8.71  | 7.14       | 17.70     | 22.12     | Blue        | 3.68                            | 34161*                                 | 2-34161-1      |                 |
|  |   | A            | .343  | .281       | .697      | .871      | Blue        | .170                            | 34161*                                 | 2-34161-1      |                 |
|  |   |              | 8.71  | 7.14       | 17.70     | 22.12     | Blue        | 4.32                            | —                                      | —              |                 |
|  |   | A            | .343  | .281       | .746      | .920      | Blue        | .250                            | 2-34161-2                              | 2-34161-3      |                 |
|  |   |              | 8.71  | 7.14       | 18.95     | 23.37     | Blue        | 6.35                            | —                                      | —              |                 |
| A  | .468                                    | .312         | .728  | .965       | Blue      | .170      | —           | 2-34954-1                       |  |                |                 |
|  | 11.89                                   | 7.92         | 18.49 | 24.51      | Blue      | 4.32      | —           | —                               |  |                |                 |
| 1/4<br>M6  | .033<br>0.84                            | A            | .469  | .437       | .853      | 1.090     | Blue        | .145                            | 32961*                                 | 2-32961-1      |                 |
|  |   |              | 11.91 | 11.10      | 21.67     | 27.69     | Blue        | 3.68                            | 34162*                                 | 2-34162-1      |                 |
|  |   | A            | .469  | .437       | .853      | 1.090     | Black       | .170                            | 2-34162-2                              | 2-34162-3      |                 |
|  |   |              | 11.91 | 11.10      | 21.67     | 27.69     | Black       | 4.32                            | —                                      | —              |                 |
|  |   | 5/16<br>M8   | A     | .469       | .437      | .853      | 1.090       | Blue                            | .170                                   | 34163*         | 2-34163-1       |
|  |   |              |       | 11.91      | 11.10     | 21.67     | 27.69       | Blue                            | 4.32                                   | —              | —               |
| 3/8  | A                                       | .531         | .546  | .962       | 1.248     | Blue      | .170        | 34164*                          | 2-34164-2                              |                |                 |
|  |   | 13.49        | 13.87 | 24.43      | 31.70     | Black     | 4.32        | —                               | 2-34164-4                              |                |                 |
| 6<br>M3.5  | .050<br>1.27                            | A            | .281  | .219       | .810      | .953      | Yellow/Blk. | .200                            | 34821                                  | 2-34821-1      |                 |
|  |   |              | 7.14  | 5.56       | 20.57     | 24.21     | Yellow/Blk. | 5.08                            | 34822†                                 | —              |                 |
|  |   | 8<br>M4      | A     | .343       | .281      | .872      | 1.046       | Yellow/Blk.                     | .200                                   | 34823*†        | 2-34823-1†      |
|  |   |              |       | 8.71       | 7.14      | 22.15     | 26.57       | Yellow/Blk.                     | 5.08                                   | —              | —               |
|  |   | 10           | A     | .343       | .281      | .872      | 1.046       | Yellow/Blk.                     | .250                                   | 321518         | 2-321518-1      |
|  |   |              |       | 8.71       | 7.14      | 22.15     | 26.57       | Yellow/Blk.                     | 6.35                                   | —              | —               |

† Not UL or CSA Approved or Listed.

\*Available in small packaging quantities.

† Heavy Duty for extra mechanical strength.

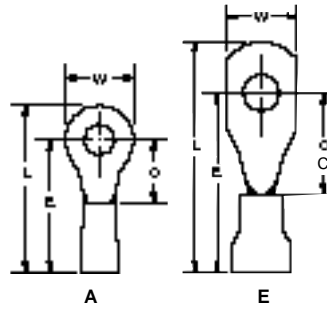
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole. (Styles A & E).



**PLASTI-GRIP** (Continued)

**Ring Tongue Terminals**

(Continued)



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pgs. 72 & 73

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ]   | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size   | Style         | Dimensions     |                |                |                | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|--|---|----------------|---------------|----------------|----------------|----------------|----------------|---------------------------------|--|----------------|-----------------|
|  |   |                |               | W              | C<br>Min.      | E<br>Max.      | L<br>Max.      |                                 |  | Loose<br>Piece | Tape<br>Mounted |
| 16-14HD <sup>1</sup><br>2,050-5,180<br>[1.04-2.62] | .050<br>1.27                            | 1/4<br>M6      | A             | .500<br>12.70  | .344<br>8.74   | .935<br>23.75  | 1.188<br>30.18 | Yellow/Blk.                     | .230<br>5.84                           | 35349          | 2-35349-1       |
|  |   |                |               | .531<br>13.49  | .437<br>11.10  | 1.028<br>26.11 | 1.296<br>32.92 | Yellow/Blk.                     | .200<br>5.08                           | 34824          | 2-34824-3       |
|  |   | 5/16<br>M8     | A             | .531<br>13.49  | .437<br>11.10  | 1.028<br>26.11 | 1.296<br>32.92 | Yellow/Blk.                     | .200<br>5.08                           | 34825          | —               |
|  |   |                |               | .750<br>19.05  | .625<br>15.88  | 1.216<br>30.89 | 1.594<br>40.49 | Yellow/Blk.                     | .200<br>5.08                           | 34826          | —               |
|  |   | 1/2<br>M12     | A             | .750<br>19.05  | .625<br>15.88  | 1.216<br>30.89 | 1.594<br>40.49 | Yellow/Blk.                     | .200<br>5.08                           | 34827          | —               |
| 12-10<br>5,180-13,100<br>[2.62-6.64]               | .042<br>1.07                            | 0              | A             | .281<br>7.14   | .219<br>5.56   | .810<br>20.57  | .953<br>24.21  | Yellow                          | .250<br>6.35                           | 2-34835-4      | —               |
|  |   | 4              | A             | .281<br>7.14   | .219<br>5.56   | .810<br>20.57  | .953<br>24.21  | Yellow                          | .250<br>6.35                           | 34835          | 2-34835-1       |
|  |   | 6<br>M3.5      | A             | .281<br>7.14   | .219<br>5.56   | .810<br>20.57  | .953<br>24.21  | Yellow                          | .250<br>6.35                           | 34852*         | 2-34852-1       |
|  |   |                |               | .375<br>9.53   | .302<br>7.67   | .893<br>22.68  | 1.098<br>27.89 | Yellow                          | .230<br>5.84                           | 34168*         | 2-34168-1       |
|  |   | 8<br>M4        | A             | .312<br>7.92   | .302<br>7.67   | .893<br>22.68  | 1.062<br>26.97 | Yellow                          | .250<br>6.35                           | —              | 696047-1        |
|  |   |                |               | .312<br>7.92   | .302<br>7.67   | .893<br>22.68  | 1.062<br>26.97 | Yellow                          | .250<br>6.35                           | —              | 696048-1        |
|  |   |                |               | .375<br>9.53   | .302<br>7.67   | .893<br>22.68  | 1.098<br>27.89 | Yellow                          | .230<br>5.84                           | 34169*         | 2-34169-1       |
|  |   |                |               | .375<br>9.53   | .302<br>7.67   | .893<br>22.68  | 1.098<br>27.89 | Yellow                          | .250<br>6.35                           | 34853*         | 2-34853-1       |
|  |   | 10             | A             | .312<br>7.92   | .302<br>7.67   | .893<br>22.68  | 1.052<br>26.72 | Yellow                          | .230<br>5.84                           | 330518         | —               |
|  |   |                |               | .312<br>7.92   | .302<br>7.67   | .953<br>24.21  | 1.111<br>28.22 | Yellow                          | .300 <sup>12-10</sup><br>7.62          | —              | 1-330518-2      |
|  |   |                |               | .375<br>9.53   | .302<br>7.67   | .893<br>22.68  | 1.083<br>27.51 | Black                           | .250<br>6.35                           | —              | 2-328261-1      |
|  |   |                |               | .375<br>9.53   | .302<br>7.67   | .893<br>22.68  | 1.098<br>27.89 | Yellow                          | .230<br>5.84                           | 34170*         | 2-34170-1       |
|  |   |                |               | .375<br>9.53   | .302<br>7.67   | .893<br>22.68  | 1.098<br>27.89 | Yellow                          | .250<br>6.35                           | 34854*         | 2-34854-1       |
|  |   | 1/4<br>M6      | E             | .400<br>10.16  | .468<br>11.89  | 1.118<br>28.40 | 1.373<br>34.87 | Yellow                          | .300<br>7.62                           | 55678-1        | 55678-2         |
|  |   |                | A             | .500<br>12.70  | .344<br>8.74   | .994<br>25.25  | 1.247<br>31.67 | Black                           | .300<br>7.62                           | 35492          | —               |
| .531<br>13.49                                      | .468<br>11.89                           | 1.059<br>26.90 |               | 1.327<br>33.71 | Yellow         | .230<br>5.84   | 34171*         | 2-34171-1                       |  |                |                 |
| .531<br>13.49                                      | .468<br>11.89                           | 1.059<br>26.90 |               | 1.327<br>33.71 | Yellow         | .250<br>6.35   | 34855*         | 2-34855-1                       |  |                |                 |
| 5/16<br>M8   | A                                       | .531<br>13.49  | .468<br>11.89 | 1.059<br>26.90 | 1.327<br>33.71 | Yellow         | .230<br>5.84   | 34172*                          | 2-34172-1                              |                |                 |
|  |   | .531<br>13.49  | .468<br>11.89 | 1.059<br>26.90 | 1.327<br>33.71 | Black          | .230<br>5.84   | —                               | 2-34172-3                              |                |                 |
| 3/8  | A                                       | .531<br>13.49  | .468<br>11.89 | 1.059<br>26.90 | 1.327<br>33.71 | Yellow         | .250<br>6.35   | 34856*                          | 2-34856-1                              |                |                 |
|  |   | .593<br>15.06  | .531<br>13.49 | 1.122<br>28.50 | 1.421<br>36.09 | Yellow         | .230<br>5.84   | 34173*                          | 2-34173-1                              |                |                 |
| 1/2<br>M12   | A                                       | .750<br>19.05  | .625<br>15.88 | 1.216<br>30.89 | 1.594<br>40.49 | Yellow         | .250<br>6.35   | 34837*                          | 2-34837-4                              |                |                 |

\*Available in small packaging quantities.

<sup>1</sup>Heavy Duty for extra mechanical strength.

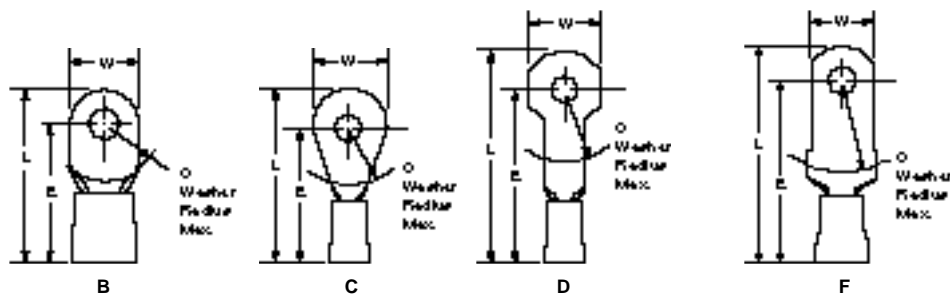
**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole. (Styles A & E).



**PLASTI-GRIP** (Continued)

**Ring Tongue Terminals**

(Continued)



| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size                      | Style        | Dimensions |              |            |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |          |         |         |   |
|--|---|-----------------------------------|--------------|------------|--------------|------------|-----------|---------------------------------|--|----------------|-----------------|----------|---------|---------|---|
|  |   |                                   |              | W          | C            | E<br>Max.  | L<br>Max. |                                 |  | Loose<br>Piece | Tape<br>Mounted |          |         |         |   |
| 8<br>13,100-20,800<br>[6.64-10.5]                | .043<br>1.09                            | 8<br>M4                           | C            | .478       | .437         | 1.344      | 1.586     | Red                             | .360                                   | 52041          | 52041-6         |          |         |         |   |
|  |   |                                   |              | 12.14      | 11.10        | 34.14      | 40.28     |                                 |  |                |                 |          |         |         |   |
|  |   | 10                                | D            | .430       | .437         | 1.363      | 1.605     | Red                             | .360                                   | —              | 54351-2         |          |         |         |   |
|  |   |                                   |              | 10.92      | 11.10        | 34.62      | 40.77     |                                 |  |                |                 |          |         |         |   |
|  |   |                                   | B            | .431       | .437         | 1.338      | 1.556     | Red                             | .360                                   | 52263          | 52263-2         |          |         |         |   |
|  |   |                                   |              | 10.95      | 11.10        | 33.99      | 39.52     |                                 |  |                |                 |          |         |         |   |
|  |   |                                   |              | .431       | .437         | 1.338      | 1.556     |                                 |  |                |                 |          |         |         |   |
|  |   |                                   |              | 10.95      | 11.10        | 33.99      | 39.52     |                                 |  |                |                 |          |         |         |   |
|  |   | 1/4<br>M6                         | C            | .431       | .437         | 1.358      | 1.576     | Red                             | .330                                   | 52263-1        | 52263-3         |          |         |         |   |
|  |   |                                   |              | 10.95      | 11.10        | 34.49      | 40.03     |                                 |  |                |                 |          |         |         |   |
|  |   | 6<br>20,800-33,100<br>[10.5-16.8] | .048<br>1.22 | 5/16<br>M8 | C            | .431       | .437      | 1.303                           | 1.561                                  | Red            | .360            | 55621-1  | 55621-2 |         |   |
|  |   |                                   |              |            |              | 10.95      | 11.10     | 33.10                           | 39.65                                  |                |                 |          |         |         |   |
| 3/8  | C                                       |                                   |              | .478       | .437         | 1.344      | 1.586     | Red                             | .360                                   | 52041-1        | 52041-7         |          |         |         |   |
|  |   |                                   |              | 12.14      | 11.10        | 34.14      | 40.28     |                                 |  |                |                 |          |         |         |   |
| 1/2<br>M12                                       | A                                       |                                   |              | .478       | .437         | 1.358      | 1.600     | Red                             | .330                                   | 52041-3*       | 52041-9         |          |         |         |   |
|  |   |                                   |              | 12.14      | 11.10        | 34.49      | 40.64     |                                 |  |                |                 |          |         |         |   |
| 8<br>M4  | .043<br>1.09                            |                                   |              | 5/16<br>M8 | C            | .587       | .500      | 1.400                           | 1.696                                  | Red            | .360            | 52291*   | 52291-4 |         |   |
|  |   |                                   |              |            |              | 14.91      | 12.70     | 35.56                           | 43.08                                  |                |                 |          |         |         |   |
|  |   |                                   |              | 3/8        | C            | .587       | .500      | 1.400                           | 1.696                                  | Red            | .360            | 52291-1* | 52291-5 |         |   |
|  |   |                                   |              |            |              | 14.91      | 12.70     | 35.56                           | 43.08                                  |                |                 |          |         |         |   |
|  |   |                                   |              | 10         | .043<br>1.09 | 1/2<br>M12 | A         | .875                            | .625                                   | 1.420          | 1.860           | Red      | .330    | 52262-1 | — |
|  |   |                                   |              |            |              |            |           | 22.23                           | 15.88                                  | 36.07          | 47.24           |          |         |         |   |
|  |   | 8<br>M4                           | C            |            |              | .500       | .515      | 1.591                           | 1.844                                  | Blue           | .436            | 52042    | —       |         |   |
|  |   |                                   |              |            |              | 12.70      | 13.08     | 40.41                           | 46.84                                  |                |                 |          |         |         |   |
|  |   |                                   | B            |            |              | .500       | .515      | 1.591                           | 1.869                                  | Blue           | .360            | 52042-2  | —       |         |   |
|  |   |                                   |              |            |              | 12.70      | 13.08     | 40.41                           | 47.47                                  |                |                 |          |         |         |   |
|  |   |                                   |              |            |              | .468       | .421      | 1.482                           | 1.719                                  |                |                 |          |         |         |   |
|  |   |                                   |              |            |              | 11.89      | 10.69     | 37.64                           | 43.66                                  |                |                 |          |         |         |   |
| 10   | B                                       | .468                              | .421         |            |              | 1.482      | 1.719     | Blue                            | .360                                   | —              | 52265-4         |          |         |         |   |
|  |   | 11.89                             | 10.69        |            |              | 37.64      | 43.66     |                                 |  |                |                 |          |         |         |   |
|  | C                                       | .468                              | .421         |            |              | 1.482      | 1.719     | Blue                            | .436                                   | 52265*         | 52265-3         |          |         |         |   |
|  |   | 11.89                             | 10.69        |            |              | 37.64      | 43.66     |                                 |  |                |                 |          |         |         |   |
|  |   | .500                              | .515         | 1.591      | 1.844        |            |           |                                 |  |                |                 |          |         |         |   |
|  |   | 12.70                             | 13.08        | 40.41      | 46.84        |            |           |                                 |  |                |                 |          |         |         |   |
| 1/4<br>M6  | .048<br>1.22                            | 5/16<br>M8                        | B            | .625       | .515         | 1.591      | 1.906     | Blue                            | .450                                   | 52264*         | 52264-4         |          |         |         |   |
|  |   |                                   |              | 15.88      | 13.08        | 40.41      | 48.41     |                                 |  |                |                 |          |         |         |   |
|  |   | 3/8                               | B            | .625       | .515         | 1.591      | 1.906     | Blue                            | .450                                   | 52264-1*       | 52264-5         |          |         |         |   |
|  |   |                                   |              | 15.88      | 13.08        | 40.41      | 48.41     |                                 |  |                |                 |          |         |         |   |
|  |   | 1/2<br>M12                        | C            | .815       | .515         | 1.441      | 1.851     | Blue                            | .436                                   | 52350*         | —               |          |         |         |   |
|  |   |                                   |              | 20.70      | 13.08        | 36.60      | 47.02     |                                 |  |                |                 |          |         |         |   |
|  |   |                                   | F            | .398       | .515         | 1.591      | 1.846     | Blue                            | .450                                   | 55679-1        | 55679-2         |          |         |         |   |
|  |   |                                   |              | 10.11      | 13.08        | 40.41      | 46.89     |                                 |  |                |                 |          |         |         |   |
|  |   |                                   |              | .500       | .515         | 1.591      | 1.844     |                                 |  |                |                 |          |         |         |   |
|  |   |                                   |              | 12.70      | 13.08        | 40.41      | 46.84     |                                 |  |                |                 |          |         |         |   |
|  |   | 1/4<br>M6                         | C            | .500       | .515         | 1.591      | 1.869     | Blue                            | .360                                   | 52042-1        | 52042-7         |          |         |         |   |
|  |   |                                   |              | 12.70      | 13.08        | 40.41      | 47.47     |                                 |  |                |                 |          |         |         |   |

\*Available in small packaging quantities.

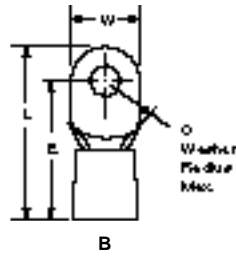
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole. (Styles A & E).



**PLASTI-GRIP** (Continued)

**Ring Tongue Terminals**

(Continued)



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 73

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Style | Dimensions |        |           |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|--|---|--------------|-------|------------|--------|-----------|-----------|---------------------------------|--|----------------|-----------------|
|  |   |              |       | W          | C      | E<br>Max. | L<br>Max. |                                 |  | Loose<br>Piece | Tape<br>Mounted |
| 4<br>33,100-52,600<br>[16.8-26.7]                | .051<br>1.30                            | 10           | B     | .546       | .531   | 1.672     | 1.948     | Yellow                          | .450                                   | 52043-2        | —               |
|  |   |              |       | 13.87      | 13.49  | 42.47     | 49.48     | Yellow                          | 11.43                                  | —              | —               |
|  |   |              | .546  | .531       | 1.672  | 1.948     | Yellow    | .515                            | 52043                                  | 52043-4        |                 |
|  |   |              | 13.87 | 13.49      | 42.47  | 49.48     | Yellow    | 13.08                           | —                                      | —              |                 |
|  |   | 1/4<br>M6    | B     | .531       | .531   | 1.672     | 1.927     | Yellow                          | .450                                   | —              | 55680-2         |
|  |   |              |       | 9.93       | 13.49  | 42.47     | 48.95     | Yellow                          | 11.43                                  | —              | —               |
|  |   |              | .546  | .531       | 1.672  | 1.948     | Yellow    | .450                            | 52043-3*                               | 52043-7        |                 |
|  |   |              | 13.87 | 13.49      | 42.47  | 49.48     | Yellow    | 11.43                           | —                                      | —              |                 |
|  |   | 5/16<br>M8   | B     | .679       | .531   | 1.672     | 2.014     | Yellow                          | .450                                   | 52266-3        | 52266-9         |
|  |   |              |       | 17.25      | 13.49  | 42.47     | 51.16     | Yellow                          | 11.43                                  | —              | —               |
|  |   |              | .679  | .531       | 1.672  | 2.014     | Yellow    | .515                            | 52266                                  | —              |                 |
|  |   |              | 17.25 | 13.49      | 42.47  | 51.16     | Yellow    | 13.08                           | —                                      | —              |                 |
| 3/8  | B                                       | .679         | .531  | 1.672      | 2.014  | Yellow    | .450      | 52266-4*                        | 1-52266-0                              |                |                 |
|  |   | 17.25        | 13.49 | 42.47      | 51.16  | Yellow    | 11.43     | —                               | —                                      |                |                 |
|  | .679                                    | .531         | 1.672 | 2.014      | Yellow | .515      | 52266-1   | —                               |  |                |                 |
|  | 17.25                                   | 13.49        | 42.47 | 51.16      | Yellow | 13.08     | —         | —                               |  |                |                 |
| 2<br>52,600-83,700<br>[26.7-42.4]                | .060<br>1.52                            | 1/4<br>M6    | B     | .675       | .578   | 1.731     | 2.071     | Red                             | .560                                   | 52267-1        | —               |
|  |   |              |       | 17.15      | 14.68  | 43.97     | 52.60     | Red                             | 14.22                                  | —              | —               |
|  |   |              | .675  | .578       | 1.731  | 2.071     | Red       | .632                            | 52267                                  | —              |                 |
|  |   |              | 17.15 | 14.68      | 43.97  | 52.60     | Red       | 16.05                           | —                                      | —              |                 |
|  |   | 5/16<br>M8   | B     | .711       | .578   | 1.731     | 2.089     | Red                             | .560                                   | 52044-4        | —               |
|  |   |              |       | 18.06      | 14.68  | 43.97     | 53.06     | Red                             | 14.22                                  | —              | —               |
|  |   |              | .711  | .578       | 1.731  | 2.089     | Red       | .632                            | 52044-1                                | —              |                 |
|  |   |              | 18.06 | 14.68      | 43.97  | 53.06     | Red       | 16.05                           | —                                      | —              |                 |
|  |   | 3/8          | B     | .711       | .578   | 1.731     | 2.089     | Red                             | .560                                   | 52044-5        | —               |
|  |   |              |       | 18.06      | 14.68  | 43.97     | 53.06     | Red                             | 14.22                                  | —              | —               |
|  |   |              | .711  | .578       | 1.731  | 2.089     | Red       | .632                            | 52044-2                                | —              |                 |
|  |   |              | 18.06 | 14.68      | 43.97  | 53.06     | Red       | 16.05                           | —                                      | —              |                 |
| 1/0<br>83,700-119,500<br>[42.4-60.6]             | .073<br>1.85                            | 5/16<br>M8   | B     | .807       | .625   | 2.041     | 2.447     | Blue                            | .684                                   | 52045-1        | —               |
|  |   |              |       | 20.50      | 15.88  | 51.84     | 62.15     | Blue                            | 17.37                                  | —              | —               |
|  |   | 3/8          | B     | .807       | .625   | 2.041     | 2.447     | Blue                            | .665                                   | 52045-5        | —               |
|  |   |              |       | 20.50      | 15.88  | 51.84     | 62.15     | Blue                            | 16.89                                  | —              | —               |
|  |   |              | .807  | .625       | 2.041  | 2.447     | Blue      | .684                            | 52045-2                                | —              |                 |
|  |   |              | 20.50 | 15.88      | 51.84  | 62.15     | Blue      | 17.37                           | —                                      | —              |                 |
| 1/2<br>M12                                       | B                                       | .875         | .625  | 2.041      | 2.478  | Blue      | .684      | 52289                           | —                                      |                |                 |
| 22.23  | 15.88                                   | 51.84        | 62.94 | Blue       | 17.37  | —         | —         |                                 |  |                |                 |
| 2/0<br>119,500-150,500<br>[60.6-76.3]            | .083<br>2.11                            | 5/16<br>M8   | B     | .926       | .625   | 2.082     | 2.477     | Yellow                          | .775                                   | 52046-1        | —               |
| 23.52  | 15.88                                   | 52.88        | 62.92 | Yellow     | 19.69  | —         | —         |                                 |  |                |                 |

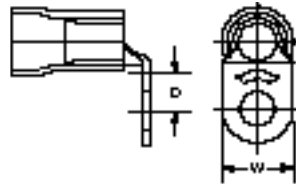
\*Available in small packaging quantities.

PLASTI-GRIP



**PLASTI-GRIP** (Continued)

**Ring Tongue  
90° Bend Terminals**



**Material**

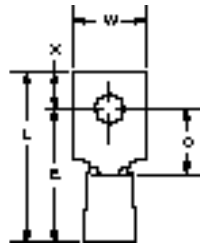
**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 73

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions           |                      | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |         |
|--|---|--------------|----------------------|----------------------|---------------------------------|--|----------------|---------|
|  |   |              | W                    | D<br>Min.            |                                 |  | Loose<br>Piece |         |
| 8<br>13,100-20,800<br>[6.64-10.5]                | <b>.043</b><br>1.09                     | 10           | <b>.431</b><br>10.95 | <b>.311</b><br>7.90  | Red                             | <b>.360</b><br>9.14                    |                | 55654-1 |
|  |   | 1/4<br>M6    | <b>.478</b><br>12.14 | <b>.435</b><br>11.05 | Red                             | <b>.360</b><br>9.14                    |                | 54725-1 |
| 6<br>20,800-33,100<br>[10.5-16.8]                | <b>.048</b><br>1.22                     | 10           | <b>.500</b><br>12.70 | <b>.310</b><br>7.87  | Blue                            | <b>.436</b><br>11.07                   |                | 54753-1 |
|  |   | 1/4<br>M6    | <b>.500</b><br>12.70 | <b>.379</b><br>9.63  | Blue                            | <b>.436</b><br>11.07                   |                | 54754-1 |

**Rectangular  
Tongue Terminals**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

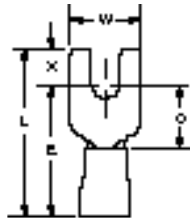
| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions          |                     |                      |                      |                     | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|--|---|--------------|---------------------|---------------------|----------------------|----------------------|---------------------|---------------------------------|--|----------------|-----------------|
|  |   |              | W                   | C<br>Min.           | E<br>Max.            | L<br>Max.            | X                   |                                 |  | Loose<br>Piece | Tape<br>Mounted |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | <b>.033</b><br>0.84                     | 6<br>M3.5    | <b>.249</b><br>6.32 | <b>.312</b><br>7.92 | <b>.728</b><br>18.49 | <b>.868</b><br>22.05 | <b>.125</b><br>3.18 | Blue                            | <b>.145</b><br>3.68                    | 34898          | —               |

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PLASTI-GRIP** (Continued)

**Spade Tongue Terminals**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

PLASTI-GRIP

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |           |           |              |              | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|--|---|--------------|------------|-----------|-----------|--------------|--------------|---------------------------------|--|----------------|-----------------|
|  |   |              | W          | C<br>Min. | E<br>Max. | L<br>Max.    | X            |                                 |  | Loose<br>Piece | Tape<br>Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]                | .033<br>0.84                            | 6<br>M3.5    | .250       | .312      | .728      | .858         | .125         | Red                             | .140<br>3.56                           | 327043*        | 2-327043-1      |
|  |   |              | 6.35       | 7.92      | 18.49     | 21.79        | 3.18         |                                 |  |                |                 |
|  |   |              | .297       | .203      | .619      | .765         | .141         | Red                             | .125<br>3.18                           | 327735*        | 2-327735-1      |
|  |   |              | 7.54       | 5.16      | 15.72     | 19.43        | 3.58         |                                 |  |                |                 |
|  |   |              | .297       | .203      | .619      | .765         | .141         | Red                             | .140<br>3.56                           | 320665*        | 2-320665-1      |
|  |   |              | 7.54       | 5.16      | 15.72     | 19.43        | 3.58         |                                 |  |                |                 |
|  |   | .307         | .245       | .661      | .836      | .175         | Red          | .140<br>3.56                    | 696003-1                               | 696003-2       |                 |
|  |   | 7.80         | 6.22       | 16.79     | 21.23     | 4.45         |              |                                 |  |                |                 |
|  |   | 8<br>M4      | .375       | .312      | .728      | .920         | .187         | Red                             | .120<br>3.18                           | 32981          | 2-32981-1       |
|  |   |              | 9.53       | 7.92      | 18.49     | 23.37        | 4.75         |                                 |  |                |                 |
|  |   |              | .375       | .312      | .728      | .920         | .187         | Red                             | .140<br>3.56                           | 34155*         | 2-34155-1       |
|  |   |              | 9.53       | 7.92      | 18.49     | 23.37        | 4.75         |                                 |  |                |                 |
| 10   | .375                                    |              | .312       | .728      | .920      | .187         | Red          | .140<br>3.56                    | 34156*                                 | 2-34156-1      |                 |
|  | 9.53                                    |              | 7.92       | 18.49     | 23.37     | 4.75         |              |                                 |  |                |                 |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | .033<br>0.84                            | 5            | .237       | .312      | .728      | .865         | .125         | Blue                            | .145<br>3.68                           | 696006-1†      | —               |
|  |   |              | 6.02       | 7.92      | 18.49     | 21.97        | 3.18         |                                 |  |                |                 |
|  |   | 6<br>M3.5    | .297       | .203      | .619      | .765         | .141         | Blue                            | .145<br>3.68                           | 322994*        | 2-322994-1      |
|  |   |              | 7.54       | 5.16      | 15.72     | 19.43        | 3.58         |                                 |  |                |                 |
|  |   |              | .297       | .203      | .619      | .765         | .141         | Blue                            | .170<br>4.32                           | 54367-1        | 54367-2         |
|  |   |              | 7.54       | 5.16      | 15.72     | 19.43        | 3.58         |                                 |  |                |                 |
|  |   |              | .385       | .312      | .728      | .920         | .187         | Blue                            | .170<br>4.32                           | 34165*         | —               |
|  |   |              | 9.78       | 7.92      | 18.49     | 23.37        | 4.75         |                                 |  |                |                 |
|  |   | 8<br>M4      | .297       | .203      | .619      | .765         | .141         | Blue                            | .170<br>4.32                           | 326741         | 2-326741-1      |
|  |   |              | 7.54       | 5.16      | 15.72     | 19.43        | 3.58         |                                 |  |                |                 |
|  |   | .307         | .245       | .661      | .836      | .175         | Blue         | .170<br>4.32                    | 696024-1                               | 696024-2       |                 |
|  |   |              | 7.80       | 6.22      | 16.79     | 21.23        |              |                                 |  |                | 4.45            |
| .385   | .312                                    | .728         | .920       | .187      | Blue      | .170<br>4.32 | 34166*       | 2-34166-1                       |  |                |                 |
|  | 9.78                                    | 7.92         | 18.49      | 23.37     |           |              |              |                                 | 4.75                                   |                |                 |
| 10   | .385                                    | .312         | .728       | .920      | .187      | Blue         | .170<br>4.32 | 34167*                          | 2-34167-1                              |                |                 |
|  | 9.78                                    | 7.92         | 18.49      | 23.37     | 4.75      |              |              |                                 |  |                |                 |
| 12-10<br>5,180-13,100<br>[2.62-6.64]             | .042<br>1.07                            | 5            | .237       | .296      | .887      | 1.095        | .203         | Yellow                          | .230<br>5.84                           | 696007-1†      | —               |
|  |   |              | 6.02       | 7.52      | 22.53     | 27.81        | 5.16         |                                 |  |                |                 |
|  |   | 10           | .406       | .296      | .887      | 1.095        | .203         | Yellow                          | .230<br>5.84                           | 34176*         | 2-34176-1       |
|  |   |              | 10.31      | 7.52      | 22.53     | 27.81        | 5.16         |                                 |  |                |                 |

\*Available in small packaging quantities.

† Gold

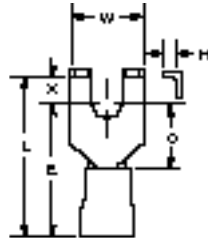
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.





**PLASTI-GRIP** (Continued)

**Flanged Spade Tongue Terminals**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |           |           |           |       |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |            |
|--|---|--------------|------------|-----------|-----------|-----------|-------|-----------|---------------------------------|--|----------------|-----------------|------------|
|  |   |              | W          | C<br>Min. | E<br>Max. | L<br>Max. | X     | H<br>Min. |                                 |  | Loose<br>Piece | Tape<br>Mounted |            |
| 22-16<br>509-3,260<br>[0.26-1.65]                | .033<br>0.84                            | 6<br>M3.5    | .296       | .203      | .619      | .749      | .125  | .045      | Red                             | .140<br>3.56                           | 322249*        | 1-322249-1      |            |
|  |   |              | 7.52       | 5.16      | 15.72     | 19.02     | 3.18  | 1.14      |                                 |  |                |                 |            |
|  |   | 8<br>M4      | .328       | .203      | .619      | .749      | .125  | .045      | Red                             | .140<br>3.56                           | 324560         | 2-324560-1      |            |
|  |   |              | 8.33       | 5.16      | 15.72     | 19.02     | 3.18  | 1.14      |                                 |  |                |                 |            |
|  |   |              | 10         | .296      | .203      | .619      | .749  | .125      | .045                            | Red                                    | .140<br>3.56   | 1-322249-0      | 1-322249-9 |
|  |   |              |            | 7.52      | 5.16      | 15.72     | 19.02 | 3.18      | 1.14                            |  |                |                 |            |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | .033<br>0.84                            | 6<br>M3.5    | .294       | .203      | .619      | .749      | .125  | .047      | Blue                            | .170<br>4.32                           | 324165*        | 2-324165-1      |            |
|  |   |              | 7.47       | 5.16      | 15.72     | 19.02     | 3.18  | 1.19      |                                 |  |                |                 |            |
|  |   | 8<br>M4      | .294       | .203      | .668      | .798      | .125  | .047      | Blue                            | .250<br>6.35                           | —              | 2-324165-4      |            |
|  |   |              | 7.47       | 5.16      | 16.97     | 20.27     | 3.18  | 1.19      |                                 |  |                |                 |            |
|  |   |              | 10         | .294      | .203      | .619      | .749  | .125      | .047                            | Blue                                   | .170<br>4.32   | 53874-1         | 53874-2    |
|  |   |              |            | 7.47      | 5.16      | 15.72     | 19.02 | 3.18      | 1.19                            |  |                |                 |            |
| 12-10<br>5,180-13,100<br>[2.62-6.64]             | .042<br>1.07                            | 6<br>M3.5    | .416       | .250      | .841      | 1.017     | .171  | .052      | Yellow                          | .230<br>5.84                           | 324581*        | 1-324581-1      |            |
|  |   |              | 10.57      | 6.35      | 21.36     | 25.83     | 4.34  | 1.32      |                                 |  |                |                 |            |
|  |   | 8<br>M4      | .416       | .250      | .841      | 1.017     | .171  | .052      | Yellow                          | .230<br>5.84                           | 324172*        | 1-324172-0      |            |
|  |   |              | 10.57      | 6.35      | 21.36     | 25.83     | 4.34  | 1.32      |                                 |  |                |                 |            |
|  |   |              | 10         | .416      | .250      | .841      | 1.017 | .171      | .052                            | Yellow                                 | .250<br>6.35   | 52856           | 52856-1    |
|  |   |              |            | 10.57     | 6.35      | 21.36     | 25.83 | 4.34      | 1.32                            |  |                |                 |            |

\*Available in small packaging quantities.

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PLASTI-GRIP** (Continued)

**Short Spring Spade Tongue Terminals**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Phosphor Bronze per ASTM B-139 for wire sizes 24 to 14 Brass per ASTM B-36 for wire sizes 12 to 10  
**Plating** — Tin per ASTM B-545 except where noted

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size                      | Dimensions          |                      |                      |                      |                      | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers        |                      |                     |          |         |
|--|---|-----------------------------------|---------------------|----------------------|----------------------|----------------------|----------------------|---------------------------------|--|---------------------|----------------------|---------------------|----------|---------|
|  |   |                                   | W                   | C<br>Min.            | E<br>Max.            | L<br>Max.            | X                    |                                 |  | Loose<br>Piece      | Tape<br>Mounted      |                     |          |         |
| 24-20<br>320-1,290<br>[0.16-0.65]                | <b>.025</b><br>0.64                     | 4                                 | <b>.203</b><br>5.16 | <b>.219</b><br>5.56  | <b>.624</b><br>15.85 | <b>.744</b><br>18.90 | <b>.115</b><br>2.92  | White                           | <b>.125</b><br>3.18                    | —                   | 53829-2              |                     |          |         |
|  |   |                                   | 4                   | <b>.203</b><br>5.16  | <b>.250</b><br>6.35  | <b>.666</b><br>16.92 | <b>.811</b><br>20.60 | <b>.140</b><br>3.56             | Red                                    | <b>.140</b><br>3.56 | 52947*               | 52947-1             |          |         |
|  |   | 5<br>M3                           | 5                   | <b>.250</b><br>6.35  | <b>.250</b><br>6.35  | <b>.666</b><br>16.92 | <b>.811</b><br>20.60 | <b>.140</b><br>3.56             | Red                                    | <b>.140</b><br>3.56 | 52948*               | 52948-1             |          |         |
|  |   |                                   | 6                   | <b>.234</b><br>5.94  | <b>.250</b><br>6.35  | <b>.666</b><br>16.92 | <b>.811</b><br>20.60 | <b>.140</b><br>3.56             | Red                                    | <b>.140</b><br>3.56 | 53240-1*             | 53240-2             |          |         |
|  |   | 6<br>M3.5                         | 6                   | <b>.250</b><br>6.35  | <b>.250</b><br>6.35  | <b>.666</b><br>16.92 | <b>.811</b><br>20.60 | <b>.140</b><br>3.56             | Red                                    | <b>.140</b><br>3.56 | 52949*               | 52949-1             |          |         |
|  |   |                                   | 6                   | <b>.250</b><br>6.35  | <b>.250</b><br>6.35  | <b>.715</b><br>18.16 | <b>.860</b><br>21.84 | <b>.140</b><br>3.56             | Red                                    | <b>.200</b><br>5.08 | 52949-2              | 52949-3             |          |         |
|  |   | 22-16<br>509-3,260<br>[0.26-1.65] | <b>.033</b><br>0.84 | 8<br>M4              | <b>.244</b><br>6.20  | <b>.281</b><br>7.14  | <b>.697</b><br>17.70 | <b>.872</b><br>22.15            | <b>.170</b><br>4.32                    | Red                 | <b>.140</b><br>3.56  | 53241-1             | 53241-2  |         |
|  |   |                                   |                     |                      | 8                    | <b>.375</b><br>9.53  | <b>.281</b><br>7.14  | <b>.697</b><br>17.70            | <b>.872</b><br>22.15                   | <b>.170</b><br>4.32 | Red                  | <b>.140</b><br>3.56 | 52950*   | 52950-1 |
|  |   |                                   |                     | 8                    | 8                    | <b>.375</b><br>9.53  | <b>.281</b><br>7.14  | <b>.746</b><br>18.95            | <b>.921</b><br>23.39                   | <b>.170</b><br>4.32 | Red                  | <b>.200</b><br>5.08 | 52950-2  | 52950-3 |
|  |   |                                   |                     |                      | 10                   | <b>.294</b><br>7.47  | <b>.281</b><br>7.14  | <b>.697</b><br>17.70            | <b>.920</b><br>23.37                   | <b>.218</b><br>5.54 | Red                  | <b>.140</b><br>3.56 | 53242-1* | 53242-2 |
|  |   |                                   |                     | 10                   | 10                   | <b>.294</b><br>7.47  | <b>.281</b><br>7.14  | <b>.746</b><br>18.95            | <b>.969</b><br>24.61                   | <b>.218</b><br>5.54 | Red                  | <b>.200</b><br>5.08 | 53242-5  | 53242-6 |
|  |   |                                   |                     |                      | 10                   | <b>.406</b><br>10.31 | <b>.281</b><br>7.14  | <b>.697</b><br>17.70            | <b>.920</b><br>23.37                   | <b>.218</b><br>5.54 | Red                  | <b>.140</b><br>3.56 | 52951*   | 52951-1 |
| 6<br>M3.5  | 6                                       |                                   |                     | <b>.406</b><br>10.31 | <b>.281</b><br>7.14  | <b>.746</b><br>18.95 | <b>.969</b><br>24.61 | <b>.218</b><br>5.54             | Red                                    | <b>.200</b><br>5.08 | —                    | 52951-3             |          |         |
|  | 6                                       |                                   |                     | <b>.250</b><br>6.35  | <b>.250</b><br>6.35  | <b>.666</b><br>16.92 | <b>.811</b><br>20.60 | <b>.140</b><br>3.56             | Blue                                   | <b>.170</b><br>4.32 | 52955*               | 52955-1             |          |         |
| 6<br>M3.5  | 6                                       |                                   |                     | <b>.250</b><br>6.35  | <b>.250</b><br>6.35  | <b>.715</b><br>18.16 | <b>.860</b><br>21.84 | <b>.140</b><br>3.56             | Blue                                   | <b>.250</b><br>6.35 | 52955-2              | 52955-3             |          |         |
|  | 6                                       |                                   |                     | <b>.250</b><br>6.35  | <b>.250</b><br>6.35  | <b>.715</b><br>18.16 | <b>.860</b><br>21.84 | <b>.140</b><br>3.56             | Blue                                   | <b>.250</b><br>6.35 | 52955-4 <sup>1</sup> | —                   |          |         |
| 8<br>M4  | 8                                       |                                   |                     | <b>.244</b><br>6.20  | <b>.281</b><br>7.14  | <b>.697</b><br>17.70 | <b>.872</b><br>22.15 | <b>.170</b><br>4.32             | Blue                                   | <b>.170</b><br>4.32 | 53244-1*             | 53244-2             |          |         |
|  | 8                                       |                                   |                     | <b>.244</b><br>6.20  | <b>.281</b><br>7.14  | <b>.746</b><br>18.95 | <b>.921</b><br>23.39 | <b>.170</b><br>4.32             | Blue                                   | <b>.250</b><br>6.35 | —                    | 53244-4             |          |         |
| 8<br>M4  | 8                                       | <b>.375</b><br>9.53               | <b>.281</b><br>7.14 | <b>.697</b><br>17.70 | <b>.872</b><br>22.15 | <b>.170</b><br>4.32  | Blue                 | <b>.170</b><br>4.32             | 52956*                                 | 52956-1             |                      |                     |          |         |
|  | 8                                       | <b>.375</b><br>9.53               | <b>.281</b><br>7.14 | <b>.746</b><br>18.95 | <b>.921</b><br>23.39 | <b>.170</b><br>4.32  | Blue                 | <b>.250</b><br>6.35             | 52956-2*                               | 52956-3             |                      |                     |          |         |
| 10   | 10                                      | <b>.294</b><br>7.47               | <b>.281</b><br>7.14 | <b>.697</b><br>17.70 | <b>.920</b><br>23.37 | <b>.218</b><br>5.54  | Blue                 | <b>.170</b><br>4.32             | 53245-1                                | 53245-2             |                      |                     |          |         |
|  | 10                                      | <b>.294</b><br>7.47               | <b>.281</b><br>7.14 | <b>.746</b><br>18.95 | <b>.969</b><br>24.61 | <b>.218</b><br>5.54  | Blue                 | <b>.250</b><br>6.35             | —                                      | 53245-6             |                      |                     |          |         |
| 10   | 10                                      | <b>.406</b><br>10.31              | <b>.281</b><br>7.14 | <b>.697</b><br>17.70 | <b>.920</b><br>23.37 | <b>.218</b><br>5.54  | Blue                 | <b>.170</b><br>4.32             | 52957*                                 | 52957-1             |                      |                     |          |         |
|  | 10                                      | <b>.406</b><br>10.31              | <b>.281</b><br>7.14 | <b>.746</b><br>18.95 | <b>.969</b><br>24.61 | <b>.218</b><br>5.54  | Blue                 | <b>.250</b><br>6.35             | 52957-2                                | 52957-3             |                      |                     |          |         |

\*Available in small packaging quantities.

<sup>1</sup>Terminal body plating— Gold per MIL-G-45204 over Nickel per QQ-N-290.

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.

PLASTI-GRIP



**PLASTI-GRIP** (Continued)

**Short Spring Spade  
Tongue Terminals**

(Continued)

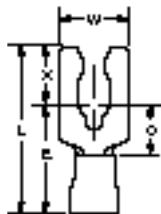
| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |           |           |              |              | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |          |         |
|--|---|--------------|------------|-----------|-----------|--------------|--------------|---------------------------------|--|----------------|-----------------|----------|---------|
|  |   |              | W          | C<br>Min. | E<br>Max. | L<br>Max.    | X            |                                 |  | Loose<br>Piece | Tape<br>Mounted |          |         |
| 12-10<br>5,180-13,100<br>[2.62-6.64]             | .042<br>1.07                            | 6<br>M3.5    | .250       | .174      | .775      | .959         | .179         | Yellow                          | .200<br>5.08                           | 52961*         | 52961-1         |          |         |
|  |   |              | 6.35       | 4.42      | 19.69     | 24.36        | 4.55         |                                 |  |                |                 |          |         |
|  |   |              | .250       | .174      | .775      | .959         | .179         |                                 |  |                |                 |          |         |
|  |   | 6.35         | 4.42       | 19.69     | 24.36     | 4.55         | Yellow       | .250<br>6.35                    | 53246-1*                               | 53246-2        |                 |          |         |
|  |   | 6.35         | 4.42       | 19.69     | 24.36     | 4.55         | Yellow       | .250<br>6.35                    | 53246-3 <sup>1</sup>                   | —              |                 |          |         |
|  |   | 8<br>M4      | .312       | .276      | .877      | 1.052        | .170         | Yellow                          | .250<br>6.35                           | 53247-1*       | 53247-2         |          |         |
|  |   |              | 7.92       | 7.01      | 22.28     | 26.72        | 4.32         |                                 |  |                |                 |          |         |
|  |   |              | .375       | .276      | .877      | 1.052        | .170         |                                 |  |                |                 |          |         |
|  |   | 9.53         | 7.01       | 22.28     | 26.72     | 4.32         | Yellow       | .200<br>5.08                    | 52962*                                 | 52962-1        |                 |          |         |
|  |   | 9.53         | 7.01       | 23.77     | 28.22     | 4.32         | Yellow       | .300<br>7.62                    | 52962-2                                | 52962-3        |                 |          |         |
|  |   | 10           | .312       | .276      | .877      | 1.100        | .218         | Yellow                          | .250<br>6.35                           | 53248-1        | 53248-2         |          |         |
|  |   |              | 7.92       | 7.01      | 22.28     | 27.94        | 5.54         |                                 |  |                |                 |          |         |
| .406   | .276                                    |              | .877       | 1.100     | .218      |              |              |                                 |  |                |                 |          |         |
| 10.31  | 7.01                                    |              | 22.28      | 27.94     | 5.54      | Yellow       | .200<br>5.08 |                                 |  |                |                 | 52963    | 52963-1 |
| 10.31  | 7.01                                    |              | 22.28      | 27.94     | 5.54      | Yellow       | .250<br>6.35 |                                 |  |                |                 | 52963-2* | 52963-3 |
| 10.31  | 7.01                                    | 23.77        | 29.44      | 5.54      | Yellow    | .300<br>7.62 | 52963-4      | 52963-5                         |  |                |                 |          |         |

\*Available in small packaging quantities.

<sup>1</sup>Terminal body plating— Gold per MIL-G-45204 over Nickel per QQ-N-290.

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

**Long Spring Spade  
Tongue Terminals**



**Material**

**Insulation**— Vinyl, UL 94V-0  
**Terminal Body**— Phosphor Bronze per ASTM B-139 for wire sizes 22 to 14  
 Brass per ASTM B-36 for wire sizes 12 to 10  
**Plating**— Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code**— pg. 4  
**Insulation Packaging Quantities**— pg. 4  
**Performance Specifications**— pgs. 4 & 5  
**Application Tooling**— pg. 72

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |           |           |           |      | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|--|---|--------------|------------|-----------|-----------|-----------|------|---------------------------------|--|----------------|-----------------|
|  |   |              | W          | C<br>Min. | E<br>Max. | L<br>Max. | X    |                                 |  | Loose<br>Piece | Tape<br>Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]                | .033<br>0.84                            | 6<br>M3.5    | .250       | .238      | .664      | .945      | .276 | Red                             | .140<br>3.56                           | 52453*         | 52453-1         |
|  |   |              | 6.35       | 6.05      | 16.87     | 24.00     | 7.01 |                                 |  |                |                 |
|  |   | 8<br>M4      | .281       | .270      | .696      | .991      | .290 | Red                             | .140<br>3.56                           | 52454*         | 52454-1         |
|  |   |              | 7.14       | 6.86      | 17.68     | 25.17     | 7.37 |                                 |  |                |                 |
|  |   | 10           | .343       | .283      | .709      | 1.017     | .303 | Red                             | .140<br>3.56                           | 52455*         | 52455-1         |
|  |   |              | 8.71       | 7.19      | 18.01     | 25.83     | 7.70 |                                 |  |                |                 |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | .033<br>0.84                            | 6<br>M3.5    | .250       | .238      | .664      | .945      | .276 | Blue                            | .170<br>4.32                           | 52463*         | 52463-1         |
|  |   |              | 6.35       | 6.05      | 16.87     | 24.00     | 7.01 |                                 |  |                |                 |
|  |   | 8<br>M4      | .281       | .270      | .696      | .991      | .290 | Blue                            | .170<br>4.32                           | 52464*         | 52464-1         |
|  |   |              | 7.14       | 6.86      | 17.68     | 25.17     | 7.37 |                                 |  |                |                 |
|  |   | 10           | .343       | .283      | .709      | 1.017     | .303 | Blue                            | .170<br>4.32                           | 52465*         | 52465-1         |
|  |   |              | 8.71       | 7.19      | 18.01     | 25.83     | 7.70 |                                 |  |                |                 |
| 12-10<br>5,180-13,100<br>[2.62-6.64]             | .042<br>1.07                            | 8<br>M4      | .375       | .273      | .874      | 1.174     | .295 | Yellow                          | .200<br>5.08                           | 52474          | 52474-1         |
|  |   |              | 9.53       | 6.93      | 22.20     | 29.82     | 7.49 |                                 |  |                |                 |
|  |   | 10           | .375       | .305      | .906      | 1.219     | .308 | Yellow                          | .200<br>5.08                           | 52475          | 52475-1         |
|  |   |              | 9.53       | 7.75      | 23.01     | 30.96     | 7.82 |                                 |  |                |                 |
|  |   |              | .375       | .305      | .965      | 1.278     | .308 |                                 |  |                |                 |
|  |   |              | 9.53       | 7.75      | 24.51     | 32.46     | 7.82 |                                 |  |                |                 |

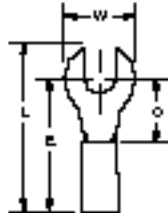
\*Available in small packaging quantities.

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PLASTI-GRIP** (Continued)

**Slotted Ring  
Tongue Terminals**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

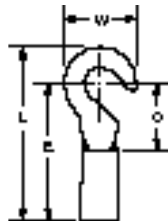
**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |           |           |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|--|---|--------------|------------|-----------|-----------|-----------|---------------------------------|--|----------------|-----------------|
|  |   |              | W          | C<br>Min. | E<br>Max. | L<br>Max. |                                 |  | Loose<br>Piece | Tape<br>Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]                | .033<br>0.84                            | 6            | .218       | .156      | .572      | .658      | Red                             | .125<br>3.18                           | 34090          | —               |
|  |   | M3.5         | 5.54       | 3.96      | 14.53     | 16.71     |                                 |  |                |                 |
|  |   | 8            | .281       | .250      | .666      | .782      | Red                             | .140<br>3.56                           | 324184         | 2-324184-1      |
|  |   | M4           | 7.14       | 6.35      | 16.92     | 19.86     |                                 |  |                |                 |

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.

**Hook Tongue  
Terminals**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |           |           |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|--|---|--------------|------------|-----------|-----------|-----------|---------------------------------|--|----------------|-----------------|
|  |   |              | W          | C<br>Min. | E<br>Max. | L<br>Max. |                                 |  | Loose<br>Piece | Tape<br>Mounted |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | .033<br>0.84                            | 8            | .343       | .281      | .697      | .871      | Blue                            | .170<br>4.32                           | 320263         | 2-320263-1      |
|  |   | M4           | 8.71       | 7.14      | 17.70     | 22.12     |                                 |  |                |                 |

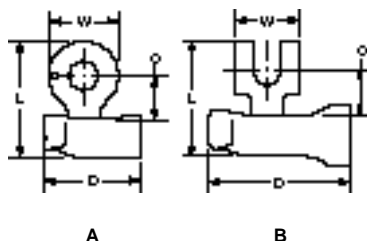
**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.

PLASTI-GRIP



**PLASTI-GRIP** (Continued)

**Flag Tongue Terminals**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Color** — Natural  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

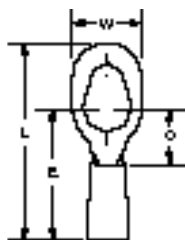
**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ]  | Tongue<br>Material<br>Thickness<br>Max. | Style | Stud<br>Size | Dimensions    |              |               |               | Terminal<br>Insulation<br>Stripe<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|--|---|-------|--------------|---------------|--------------|---------------|---------------|---|--|----------------|-----------------|
|  |   |       |              | W             | C<br>Min.    | L<br>Max.     | D<br>Max.     |   |  | Loose<br>Piece | Tape<br>Mounted |
| 20-16HD <sup>1</sup><br>810-3,260<br>[0.41-1.65]   | .042<br>1.07                            | A     | 14           | .500<br>12.70 | .266<br>6.76 | .749<br>19.02 | .695<br>17.65 | Green                                     | .170<br>4.32                           |                | 322307          |
| 16-14<br>2,050-5,180<br>[1.04-2.62]                | .033<br>0.84                            | B     | 10           | .385<br>9.78  | .272<br>6.91 | .741<br>18.82 | .695<br>17.65 | Blue                                      | .170<br>4.32                           |                | 322834          |
|  |   | A     | 14           | .500<br>12.70 | .266<br>6.76 | .749<br>19.02 | .695<br>17.65 | Blue                                      | .170<br>4.32                           |                | 322310          |
| 16-14HD <sup>1</sup><br>2,050-5,180<br>[1.04-2.62] | .050<br>1.27                            | A     | 10           | .500<br>12.70 | .266<br>6.76 | .810<br>20.57 | .775<br>19.69 | Black                                     | .230<br>5.84                           |                | 322312          |
|  |   |       | 14           | .500<br>12.70 | .266<br>6.76 | .810<br>20.57 | .775<br>19.69 | Black                                     | .230<br>5.84                           |                | 322313          |
| 12-10<br>5,180-13,100<br>[2.62-6.64]               | .042<br>1.07                            | A     | 10           | .500<br>12.70 | .266<br>6.76 | .812<br>20.62 | .775<br>19.69 | Yellow                                    | .230<br>5.84                           |                | 322315          |
|  |   |       | 14           | .500<br>12.70 | .266<br>6.76 | .812<br>20.62 | .775<br>19.69 | Yellow                                    | .230<br>5.84                           |                | 322316          |
|  |   |       | 14           | .500<br>12.70 | .266<br>6.76 | .812<br>20.62 | .775<br>19.69 | Yellow                                    | .280<br>7.11                           |                | 322395          |

<sup>1</sup>Heavy Duty for extra mechanical strength.

**Multiple Stud Terminals**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions   |              |               |               | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|---|---|--------------|--------------|--------------|---------------|---------------|---------------------------------|--|----------------|-----------------|
|   |   |              | W            | C<br>Min.    | E<br>Max.     | L<br>Max.     |                                 |  | Loose<br>Piece | Tape<br>Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]                 | .033<br>0.84                            | 6-8-10       | .325<br>8.26 | .271<br>6.88 | .691<br>17.55 | .969<br>24.61 | Red                             | .125<br>3.18                           | 54774-1        | 54774-2         |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                            | 6-8-10       | .325<br>8.26 | .271<br>6.88 | .691<br>17.55 | .969<br>24.61 | Blue                            | .145<br>3.68                           | 54775-1        | 54775-2         |

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PLASTI-GRIP** (Continued)

**Butt Splices**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Splice Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mils <sup>1</sup><br>[mm <sup>2</sup> ] | Dimension<br>L<br>Max.              | Splice<br>Insulation<br>Color | Wire Insulation<br>Diameter<br>Max.      | Part Numbers           |                        |
|---|-------------------------------------|-------------------------------|--|------------------------|------------------------|
|   |                                     |                               |  | Loose<br>Piece         | Tape<br>Mounted        |
| 26-22<br>202-810<br>[0.10-0.41]                               | .620<br>15.75                       | Yellow                        | .080<br>2.03                             | 321026*†               | 2-321026-1†            |
| 22-18/16-14   | 1.065<br>27.05                      | Red/Blue Stripe               | .170 / .115<br>6.86 / 2.92               | 696010-1               | —                      |
| 22-16 <sup>2</sup><br>509-3,260<br>[0.26-1.65]                | 1.065<br>27.05                      | Red                           | .120<br>3.05                             | 34067*                 | 2-34067-1              |
|   | 1.065<br>27.05                      | Red                           | .170<br>4.32                             | 34243*                 | 1-34243-1              |
|   | 1.076<br>27.33                      | Natural w/<br>Red Letters     | .120<br>3.05                             | 324138*                | —                      |
|   | 1.076<br>27.33                      | Red                           | .140<br>3.56                             | 34070*                 | 1-34070-1              |
|   | 1.076<br>27.33                      | Natural w/<br>Red Stripes     | .140<br>3.56                             | 55792-1*               | 55792-2                |
|   | 1.065<br>27.05                      | Red                           | .083 x .171<br>2.11 x 4.34               | 34203 <sup>3</sup> *   | —                      |
|   | 16-14<br>2,050-5,180<br>[1.04-2.62] | .600<br>15.24                 | Blue                                     | —                      | 55629-2                |
| 1.065<br>27.05  |                                     | Blue                          | .140<br>3.56                             | 34068*                 | 2-34068-1              |
| 1.065<br>27.05  |                                     | Natural w/<br>Blue Letters    | .140<br>3.56                             | 328427*                | —                      |
| 1.065<br>27.05  |                                     | Blue                          | .170<br>4.32                             | 34071*                 | 2-34071-1              |
| 1.065<br>27.05  |                                     | Natural w/<br>Blue Stripes    | .170<br>4.32                             | 55785-1*               | 55785-2                |
| 1.065<br>27.05  |                                     | Blue                          | .215<br>5.46                             | 35244*                 | 2-35244-1              |
| 1.105<br>28.07  |                                     | Blue                          | .170<br>4.32                             | 2-34071-2 <sup>4</sup> | 2-34071-3 <sup>4</sup> |
| 1.065<br>27.05  |                                     | Blue                          | .135 x .245<br>3.43 x 6.22               | 34204 <sup>3</sup> *   | 1-34204-0              |
| 12-10<br>5,180-13,100<br>[2.62-6.64]                          | 1.160<br>29.46                      | Yellow                        | .200<br>5.08                             | 34069                  | —                      |
|   | 1.160<br>29.46                      | Yellow                        | .230<br>5.84                             | 34072*                 | 2-34072-2              |
|   | 1.160<br>29.46                      | Natural w/<br>Yellow Stripes  | .230<br>5.84                             | 55793-1*               | 55793-2                |
|   | 1.160<br>29.46                      | Yellow                        | .250<br>6.35                             | 34945*                 | —                      |
|   | 1.160<br>29.46                      | Yellow                        | .300<br>7.62                             | 326742                 | —                      |
|   | 1.200<br>30.48                      | Yellow                        | .250<br>6.35                             | 2-34945-1 <sup>4</sup> | 2-34945-2 <sup>4</sup> |
|   | 1.160<br>29.46                      | Yellow                        | .250 / .165 x .315<br>6.35 / 4.19 x 8.00 | 321286 <sup>5</sup> †  | —                      |
|   | 1.160<br>29.46                      | Yellow                        | .138 x .281<br>3.51 x 7.14               | 34205 <sup>3</sup> *   | —                      |
| 8   | 1.340<br>34.04                      | Red                           | .250<br>6.35                             | 696025-1               | —                      |
| 6   | 1.530<br>38.86                      | Blue                          | .330<br>8.38                             | 696026-1               | —                      |

† Not UL or CSA Approved or Listed.

\* Available in small packaging quantities.

<sup>1</sup> When using two or more wires in either end of a butt splice, the combined cross sectional area must be within the (CMA) circular mil range listed. (Not UL or CSA Approved with use of multiple wires.)

<sup>2</sup> 22-16 splices are 22-18 range in accordance with MIL-T-7928.

<sup>3</sup> Oval expansion.

<sup>4</sup> Funnel entry

<sup>5</sup> Oval expansion at one end; circular expansion at other end.

PLASTI-GRIP



**PLASTI-GRIP** (Continued)

**Parallel Splices**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Splice Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

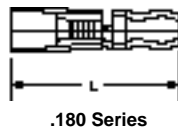
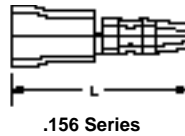
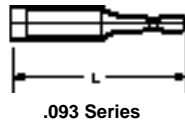
| Wire Size<br>Circular Mils <sup>1</sup><br>[mm <sup>2</sup> ] | Dimension<br>L<br>Max. | Splice<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers<br>Loose Piece |
|---|------------------------|-------------------------------|--|-----------------------------|
| 22-16<br>509-3,260<br>[0.26-1.65]                             | .760<br>19.30          | Red                           | .120<br>3.05                           | 34131*                      |
|   | .760<br>19.30          | Red                           | .140<br>3.56                           | 34132*                      |
| 16-14<br>2,050-5,180<br>[1.04-2.62]                           | .760<br>19.30          | Blue                          | .140<br>3.56                           | 34133*                      |
|   | .760<br>19.30          | Blue                          | .170<br>4.32                           | 34134*                      |
|   | .760<br>19.30          | Blue                          | .135 x .245<br>3.43 x 6.22             | 34207**                     |
| 12-10<br>5,180-13,100<br>[2.62-6.64]                          | .843<br>21.41          | Yellow                        | .200<br>5.08                           | 34135                       |
|   | .870<br>22.10          | Yellow                        | .230<br>5.84                           | 34136*                      |

\*Available in small packaging quantities.

<sup>1</sup>When using two or more wires in a parallel splice, the combined cross sectional area must be within the (CMA) circular mil area listed.

<sup>2</sup>Oval expansion.

**Shur-Plug**  
(.093, .156 and .180 Series)



**Material (.093 Series)**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Brass per ASTM B-36

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

**Material (.156 & .180 Series)**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

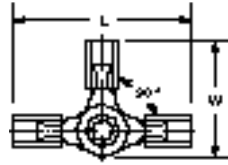
| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Series | Dimension<br>L<br>Max. | Terminal<br>Insulation<br>Color | Wire Insulation<br>Diameter<br>Max. | Part Numbers         |                 |
|--|---|--------|------------------------|---------------------------------|-------------------------------------|----------------------|-----------------|
|  |   |        |                        |                                 |                                     | Loose<br>Piece       | Tape<br>Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]                | —                                       | .093   | .812<br>20.62          | Red                             | .140<br>3.56                        | 34178                | —               |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | .033<br>0.84                            | .156   | .800<br>20.32          | Blue                            | .170<br>4.32                        | 324227* <sup>†</sup> | 1-324227-0      |
|  |   | .180   | .753<br>19.13          | Blue                            | .170<br>4.32                        | 324228* <sup>†</sup> | —               |

<sup>†</sup> Not UL or CSA Approved or Listed.

\*Available in small packaging quantities.

**PLASTI-GRIP** (Continued)

**3-Way Connector**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Rivet** — Brass per QQ-B-626  
**Plating** — Tin per ASTM B-545

**Related Product Data**

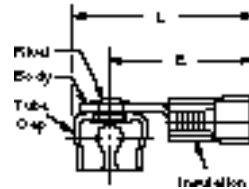
**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue Material<br>Thickness<br>Max. | Dimensions    |                | Terminal<br>Insulation<br>Color | Wire Insulation<br>Diameter<br>Max. | Part Number<br>Loose Piece |
|--|--------------------------------------|---------------|----------------|---------------------------------|-------------------------------------|----------------------------|
|  |                                      | W<br>Max.     | L<br>Max.      |                                 |                                     |                            |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | .033<br>0.84                         | .877<br>22.28 | 1.400<br>35.56 | Blue                            | .145<br>3.68                        | 34073*                     |

\*Available in small packaging quantities.

PLASTI-GRIP

**.250 Tube Cap Assembly**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545  
**Tube Cap** — Copper/Zinc alloy per MIL-C-50  
**Plating** — Tin per ASTM B-545  
**Rivet** — Brass  
**Plating** — Tin per ASTM B-545 over Copper

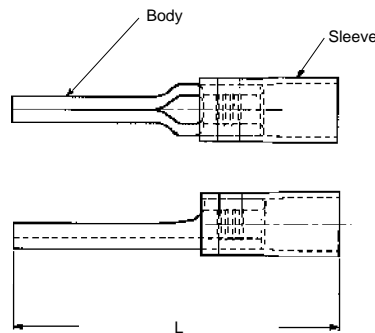
**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue Material<br>Thickness<br>Max. | Dimensions    |               | Terminal<br>Insulation<br>Color | Wire Insulation<br>Diameter<br>Max. | Part Number<br>Loose Piece |
|--|--------------------------------------|---------------|---------------|---------------------------------|-------------------------------------|----------------------------|
|  |                                      | E<br>Max.     | L<br>Max.     |                                 |                                     |                            |
| 22-16<br>509-3,260<br>[0.26-1.65]                | .033<br>0.84                         | .666<br>16.92 | .978<br>24.84 | Black                           | .140<br>3.56                        | 55137-1†                   |

† Not UL or CSA Approved or Listed.

**Wire Pins**



| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tab          | Dimensions   |               | Terminal<br>Insulation<br>Color | Wire Insulation<br>Diameter<br>Max. | Part Number          |
|--|--------------|--------------|---------------|---------------------------------|-------------------------------------|----------------------|
|  |              | Ins.         | L<br>Max.     |                                 |                                     |                      |
| 22-16  | .070<br>1.78 | .140<br>3.56 | .943<br>23.95 | Red                             | .145<br>3.68                        | 696116-1 (Tape)      |
|  | .071<br>1.80 | .135<br>3.43 | .905<br>22.99 | Red                             | .145<br>3.68                        | 165167 (Loose Piece) |