


**Product Facts**

- Moisture-proof seal prevents corrosion
- Insulation allows visual examination
- Seals out moisture and provides exceptional wire insulation support
- One piece assembly allows fast, easy terminations
- Recognized under the Component Program of Underwriters Laboratories Inc. 



AMP Pre-Insulated Sealed Connectors are environmentally sealed to prevent corrosion from fluids and vapors. Color-coded polyolefin heat-shrinkable sleeves impart exceptional insulation and wire support. Heavy duty insulation permits visual inspection. Available tooling provides a firm mechanical crimp, assuring electrical integrity.

**Need more information?**

Call Technical Support at the numbers listed below.

Technical Support is staffed with specialists well versed in Tyco Electronics products. They can provide you with:

- Technical Support
- Catalogs
- Technical Documents
- Product Samples
- Tyco Electronics Authorized Distributor Locations

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## Ring Tongue Terminals

**Wire Size Range:**  
**AWG 22 to 8**  
**[0.26 to 10.5 mm<sup>2</sup>]**  
**CMA 509 to 20,800**

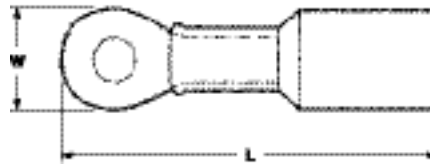
**Material**

**Body** — Copper

**Insulation** — Polyolefin

**Plating** — Tin

UL 486 A



| AWG<br>[mm <sup>2</sup> ]<br>CMA    | Stud<br>Size | Dimensions   |                | Tongue<br>Material<br>Thickness Max. | Max. Wire<br>Insulation | Part<br>Number       | Package<br>Quantity |
|-------------------------------------|--------------|--------------|----------------|--------------------------------------|-------------------------|----------------------|---------------------|
|                                     |              | W            | L<br>Max.      |                                      |                         |                      |                     |
| 22-18<br>[0.26-0.96]<br>509-1,900   | 6<br>M3.5    | .25<br>6.35  | 1.248<br>31.70 | .032<br>.81                          | .170<br>4.32            | 55846-1<br>8-55846-2 | 1000<br>50          |
|                                     | 8<br>M4      | .31<br>7.87  | 1.268<br>32.21 | .032<br>.81                          | .170<br>4.32            | 55847-1<br>8-55847-2 | 1000<br>50          |
|                                     | 10           | .31<br>7.87  | 1.268<br>32.21 | .032<br>.81                          | .170<br>4.32            | 55848-1<br>8-55848-2 | 1000<br>50          |
|                                     | 1/4<br>M6    | .47<br>11.94 | 1.468<br>37.29 | .032<br>.81                          | .170<br>4.32            | 55849-1<br>8-55849-2 | 1000<br>50          |
|                                     | 6<br>M3.5    | .31<br>7.87  | 1.188<br>30.18 | .034<br>.86                          | .190<br>4.83            | 55850-1<br>8-55850-2 | 1000<br>50          |
|                                     | 8<br>M4      | .31<br>7.87  | 1.218<br>30.94 | .034<br>.86                          | .190<br>4.83            | 55851-1<br>8-55851-2 | 1000<br>50          |
|                                     | 10           | .31<br>7.87  | 1.218<br>30.94 | .034<br>.86                          | .190<br>4.83            | 55852-1<br>8-55852-2 | 1000<br>50          |
|                                     | 1/4<br>M6    | .46<br>11.68 | 1.448<br>36.78 | .034<br>.86                          | .190<br>4.83            | 55853-1<br>8-55853-2 | 1000<br>50          |
| 16-14<br>[1.04-2.62]<br>2,050-5,180 | 5/16<br>M8   | .46<br>11.68 | 1.448<br>36.78 | .034<br>.86                          | .190<br>4.83            | 55854-1<br>8-55854-2 | 1000<br>50          |
|                                     | 3/8          | .53<br>13.46 | 1.478<br>37.54 | .034<br>.86                          | .190<br>4.83            | 55855-1<br>8-55855-2 | 1000<br>50          |
|                                     | 8<br>M4      | .37<br>9.40  | 1.408<br>35.76 | .042<br>1.07                         | .240<br>6.10            | 55856-1<br>8-55856-3 | 500<br>25           |
|                                     | 10           | .37<br>9.40  | 1.408<br>35.76 | .042<br>1.07                         | .240<br>6.10            | 55857-1<br>8-55857-3 | 500<br>25           |
|                                     | 1/4<br>M6    | .52<br>13.21 | 1.598<br>40.59 | .042<br>1.07                         | .240<br>6.10            | 55858-1<br>8-55858-3 | 500<br>25           |
|                                     | 5/16<br>M8   | .52<br>13.21 | 1.598<br>40.59 | .042<br>1.07                         | .240<br>6.10            | 55859-1<br>8-55859-3 | 500<br>25           |
|                                     | 3/8          | .59<br>14.99 | 1.658<br>42.11 | .042<br>1.07                         | .240<br>6.10            | 55860-1<br>8-55860-3 | 500<br>25           |
|                                     | 1/2<br>M12   | .72<br>18.29 | 1.728<br>43.89 | .042<br>1.07                         | .240<br>6.10            | 55861-1<br>8-55861-3 | 500<br>25           |
| 8<br>[6.64-10.5]<br>13,100-20,800   | 10           | .59<br>14.99 | 1.743<br>44.27 | .047<br>1.19                         | .310<br>7.87            | 55862-1<br>8-55862-5 | 1000<br>10          |
|                                     | 1/4<br>M6    | .59<br>14.99 | 1.743<br>44.27 | .047<br>1.19                         | .310<br>7.87            | 55863-1<br>8-55863-5 | 1000<br>10          |
|                                     | 3/8          | .59<br>14.99 | 1.743<br>44.27 | .047<br>1.19                         | .310<br>7.87            | 55864-1<br>8-55864-5 | 1000<br>10          |
|                                     | 1/2<br>M12   | .87<br>22.10 | 2.338<br>59.39 | .047<br>1.19                         | .310<br>7.87            | 55865-1<br>8-55865-5 | 1000<br>10          |

**Note:** 1. Part numbers are shown standard quantity over small packaging quantity.

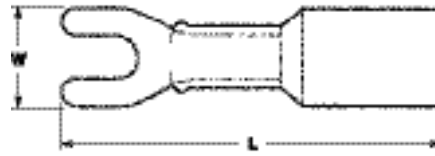
## Spade Terminals, Butt Splices and 250 Series FASTON Terminals

### Spade Terminals

**Wire Size Range:**  
**AWG 22 to 10**  
**[0.26 to 6.64 mm<sup>2</sup>]**  
**CMA 509 to 13,100**

**Material**

**Body** — Copper  
**Insulation** — Polyolefin  
**Plating** — Tin



| AWG<br>[mm <sup>2</sup> ]<br>CMA     | Stud<br>Size | Dimensions  |                | Tongue<br>Material<br>Thickness Max. | Max. Wire<br>Insulation | Part<br>Number       | Package<br>Quantity |
|--------------------------------------|--------------|-------------|----------------|--------------------------------------|-------------------------|----------------------|---------------------|
|                                      |              | W           | L<br>Max.      |                                      |                         |                      |                     |
| 22-18<br>[0.26-0.96]<br>509-1,792    | 6<br>M3.5    | .32<br>8.13 | 1.228<br>31.19 | .032<br>.81                          | .170<br>4.32            | 55866-1<br>8-55866-2 | 1000<br>50          |
|                                      | 8<br>M4      | .32<br>8.13 | 1.228<br>31.19 | .032<br>.81                          | .170<br>4.32            | 55867-1<br>8-55867-2 | 1000<br>50          |
|                                      | 10           | .32<br>8.13 | 1.228<br>31.19 | .032<br>.81                          | .170<br>4.32            | 55868-1<br>8-55868-2 | 1000<br>50          |
|                                      | 6<br>M3.5    | .38<br>9.65 | 1.258<br>31.95 | .034<br>.86                          | .190<br>4.83            | 55869-1<br>8-55869-2 | 1000<br>50          |
| 16-14<br>[1.04-2.62]<br>2,050-5,180  | 8<br>M4      | .38<br>9.65 | 1.258<br>31.95 | .034<br>.86                          | .190<br>4.83            | 55870-1<br>8-55870-2 | 1000<br>50          |
|                                      | 10           | .38<br>9.65 | 1.258<br>31.95 | .034<br>.86                          | .190<br>4.83            | 55871-1<br>8-55871-2 | 1000<br>50          |
|                                      | 8<br>M4      | .38<br>9.65 | 1.388<br>36.26 | .042<br>1.07                         | .240<br>6.10            | 55872-1<br>8-55872-3 | 500<br>25           |
| 12-10<br>[2.62-6.64]<br>5,180-13,100 | 10           | .38<br>9.65 | 1.388<br>36.26 | .042<br>1.07                         | .240<br>6.10            | 55873-1<br>8-55873-3 | 500<br>25           |

**Note:** 1. Part numbers are shown standard quantity over small packaging quantity.

### Butt Splices

**Wire Size Range:**  
**AWG 22 to 8**  
**[0.26 to 10.5 mm<sup>2</sup>]**  
**CMA 509 to 20,800**

**Material**

**Body** — Copper  
**Insulation** — Polyolefin  
**Plating** — Tin  
 UL 486 C



| AWG<br>[mm <sup>2</sup> ]<br>CMA     | Stud<br>Size | L<br>Max.      | Max. Wire<br>Insulation | Part<br>Number       | Package<br>Quantity |
|--------------------------------------|--------------|----------------|-------------------------|----------------------|---------------------|
| 22-18<br>[0.26-0.96]<br>509-1,900    | BS           | 1.606<br>40.79 | .170<br>4.32            | 55824-1<br>8-55824-2 | 1000<br>50          |
|                                      |              | 1.606<br>40.79 | .190<br>4.83            | 55825-1<br>8-55825-2 | 1000<br>50          |
| 12-10<br>[2.62-6.64]<br>5,180-13,100 | BS           | 1.796<br>45.62 | .240<br>6.10            | 55826-1<br>8-55826-3 | 500<br>25           |
|                                      |              | 1.856<br>47.14 | .310<br>7.87            | 55845-1<br>8-55845-5 | 100<br>10           |

**Note:** 1. Part numbers are shown standard quantity over small packaging quantity.

### 250 Series FASTON Terminals

**Wire Size Range:**  
**AWG 16 to 14**



| Description | Series      | L<br>Max.      | Max. Wire<br>Insulation | Part<br>Number       | Package<br>Quantity |
|-------------|-------------|----------------|-------------------------|----------------------|---------------------|
| Receptacle  | .250 x .032 | 1.600<br>40.64 | .190<br>4.83            | 55889-1<br>8-55889-3 | 1000<br>25          |
|             |             | 1.600<br>40.64 | .190<br>4.83            | 55888-1<br>8-55888-3 | 1000<br>25          |

**Note:** 1. Part numbers are shown standard quantity over small packaging quantity.

**Seal 'N Splice Kits**



Kit No. 55892-1

**Application Tooling**



Use Part Number 55893-1 for 22-10  
Use Part Number 55894-1 for 16-8

**Support Services**

|                                   | United States  | Canada         | Mexico          | Central America  | South America   | Other Latin/South American Countries |
|-----------------------------------|----------------|----------------|-----------------|------------------|-----------------|--------------------------------------|
| <b>Technical Support</b>          | 1-800-522-6752 | 1-905-470-4425 | 01-800-733-8926 | 52-55-5-729-0425 | 55-11-3611-1514 | 57-1-240-9396                        |
| <b>Tooling Assistance</b>         | 1-800-522-6752 | 1-905-470-4425 | 01-800-733-8926 | 52-55-5-366-0224 | 55-11-4034-6021 | 57-1-240-9396                        |
| <b>Customer Service</b>           | 1-800-522-6752 | 1-905-475-6222 | 01-800-733-8926 | 52-55-5-729-0431 | 55-11-3611-1311 | 57-1-240-9396                        |
| <b>Product Information by FAX</b> | 1-800-522-6752 | 1-800-245-4356 | 01-800-733-8926 | 52-55-5-729-0431 | 1-717-986-3500  | 57-1-240-9396                        |