# Quick Reference Guide
## PLASTI-GRIP Terminals & Splices

Pre-insulated PLASTI-GRIP solderless terminals and splices are designed specifically to answer the need for inexpensive, insulated electrical terminations. They can be used in almost every type of commercial application and accommodate wire sizes from 22 AWG through 2/0 AWG. 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. PLASTI-GRIP products are available as rings, spades, flanged spaded, slotted rings, splices and several other varieties. Wire ranges for the terminals and splices are 22 AWG through 2/0 and stud sizes from #2 through 1/2".

**KEY FEATURES AND BENEFITS**

- Vinyl insulation sleeve provides good dielectric strength and supports the wire insulation so that no bare wire is exposed
- Most product is UL and CSA approved
- Most product rated to 105 degrees C, with an operating voltage of 600 V
- Insulation is 94V-0 rated
- Funneled wire entry on terminal prevents turned back wire strands and permits rapid wire insertion during high speed production
- Serrations in the crimp barrel provide maximum contact and tensile strength after crimping

**PRODUCT APPLICATIONS**

- HVAC
- Instruments/Controls
- Lighting
- Switchgear
- Power Supplies
- Panel Boxes
- Transportation
- Motors

A

B

C

## MATERIAL

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

## Ring Tongue Terminals

| Wire Size | | Material Thickness | | Studsize/ Pin Length Wire Pin | | Standard Part Number | Width (W) | | Length (L) | | Color | Max. Wire Insulation Dia. | | Also available in[4] | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AWG | mm² | inch | mm | U.S. | mm | | inch | mm | inch | mm | | inch | mm | Tape & Reel | Small Pack | |
| 22-16 | 0,26-1,65 | .033 | 0,84 | 2 | M2 | 34140 | .218 | 5,54 | .684 | 17,37 | | .140 | 3,56 | ✔ | ✔ | A |
| | | | | 5 | M3 | 34141 | .218 | 5,54 | .684 | 17,37 | | .140 | 3,56 | ✔ | ✔ | A |
| | | | | 5 | M3 | 34143 | .281 | 7,14 | .809 | 20,55 | | .140 | 3,56 | ✔ | – | A |
| | | | | 6 | M3.5 | 32945 | .218 | 5,54 | .684 | 17,37 | | .125 | 3,18 | ✔ | ✔ | A |
| | | | | 6 | M3.5 | 34142 | .218 | 5,54 | .684 | 17,37 | | .140 | 3,56 | ✔ | – | A |
| | | | | 6 | M3.5 | 32947 | .281 | 7,14 | .809 | 20,55 | | .125 | 3,18 | ✔ | ✔ | A |
| | | | | 6 | M3.5 | 34144 | .281 | 7,14 | .809 | 20,55 | | .140 | 3,56 | ✔ | ✔ | A |
| | | | | 6 | M3.5 | 34147 | .281 | 7,14 | .809 | 20,55 | | .140 | 3,56 | ✔ | ✔ | A |
| | | | | 8 | M4 | 32948 | .281 | 7,14 | .809 | 20,55 | | .125 | 3,18 | ✔ | – | A |
| | | | | 8 | M4 | 34145 | .281 | 7,14 | .809 | 20,55 | | .140 | 3,56 | ✔ | ✔ | A |
| | | | | 8 | M4 | 32951 | .312 | 7,92 | .856 | 21,74 | | .125 | 3,18 | ✔ | ✔ | A |
| | | | | 8 | M4 | 34148 | .312 | 7,92 | .856 | 21,74 | | .140 | 3,56 | ✔ | ✔ | A |
| | | | | 10 | | 34146 | .281 | 7,14 | .809 | 20,55 | | .140 | 3,56 | ✔ | ✔ | A |
| | | | | 10 | | 35451 | .281 | 7,14 | .809 | 20,55 | | .170 | 4,32 | ✔ | – | A |
| | | | | 10 | | 32952 | .312 | 7,92 | .856 | 21,74 | | .125 | 3,18 | ✔ | ✔ | A |
| | | | | 10 | | 34149 | .312 | 7,92 | .856 | 21,74 | | .140 | 3,56 | ✔ | – | A |
| | | .031 | 0,80 | | M5 | 130014 | .315 | 8,00 | .858 | 21,80 | | .140 | 3,56 | ✔ | ✔ | A |
| | | .033 | 0,84 | 1/4 | M6 | 32953 | .469 | 11,91 | 1.090 | 27,69 | | .125 | 3,18 | ✔ | ✔ | A |
| | | | | 1/4 | M6 | 34150 | .469 | 11,91 | 1.090 | 27,69 | | .140 | 3,56 | ✔ | ✔ | A |
| | | .031 | 0,80 | 1/4 | M6 | 130054 | .469 | 11,91 | 1.095 | 27,81 | | .140 | 3,56 | – | ✔ | A |
| | | .033 | 0,84 | 5/16 | M8 | 34151 | .469 | 11,91 | 1.090 | 27,69 | | .140 | 3,56 | ✔ | ✔ | A |
| | | | | 3/8 | | 34152 | .531 | 13,49 | 1.230 | 31,24 | | .140 | 3,56 | ✔ | ✔ | A |
| 16-14 | 1,04-2,62 | .033 | 0,84 | 6 | M3.5 | 34158 | .250 | 6,35 | .715 | 18,16 | | .170 | 4,32 | ✔ | ✔ | A |
| | | | | 6 | M3.5 | 34159 | .343 | 8,71 | .871 | 22,12 | | .170 | 4,32 | ✔ | ✔ | A |
| | | | | 8 | M4 | 328527 | .312 | 7,92 | .825 | 20,96 | | .170 | 4,32 | ✔ | ✔ | A |
| | | | | 8 | M4 | 32959 | .343 | 8,71 | .871 | 22,12 | | .145 | 3,68 | ✔ | ✔ | A |
| | | | | 8 | M4 | 34160 | .343 | 8,71 | .871 | 22,12 | | .170 | 4,32 | ✔ | ✔ | A |
| | | | | 10 | | 32960 | .343 | 8,71 | .871 | 22,12 | | .145 | 3,68 | ✔ | ✔ | A |
| | | | | 10 | | 34161 | .343 | 8,71 | .871 | 22,12 | | .170 | 4,32 | ✔ | ✔ | A |
| | | .031 | 0,80 | | M5 | 130102 | .343 | 8,70 | .878 | 22,30 | | .193 | 4,90 | ✔ | ✔ | A |
| | | .033 | 0,84 | 1/4 | M6 | 34162 | .469 | 11,91 | 1.090 | 27,69 | | .170 | 4,32 | ✔ | ✔ | A |
| | | .031 | 0,80 | | M6 | 130126 | .469 | 11,90 | 1.098 | 27,90 | | .193 | 4,90 | ✔ | ✔ | A |
| | | .033 | 0,84 | 5/16 | M8 | 34163 | .469 | 11,91 | 1.090 | 27,69 | | .170 | 4,32 | ✔ | ✔ | A |
| | | | | 3/8 | | 34164 | .531 | 13,49 | 1.248 | 31,70 | | .170 | 4,32 | ✔ | – | A |
| | | .031 | 0,80 | | M10 | 160136 | .657 | 16,70 | 1.244 | 31,60 | | .193 | 4,90 | – | ✔ | A |
| 12-10 | 2,62-6,64 | .042 | 1,07 | 6 | M3.5 | 34852 | .281 | 7,14 | .953 | 24,21 | | .250 | 6,35 | ✔ | ✔ | A |
| | | | | 8 | M4 | 34853 | .375 | 9,53 | 1.098 | 27,89 | | .250 | 6,35 | ✔ | ✔ | A |
| | | | | 10 | | 330518 | .312 | 7,92 | 1.052 | 26,72 | | .230 | 5,84 | ✔ | – | A |
| | | | | 10 | | 34854 | .375 | 9,53 | 1.098 | 27,89 | | .250 | 6,35 | ✔ | ✔ | A |
| | | .039 | 1,00 | | M5 | 160292 | .374 | 9,50 | 1.098 | 27,90 | | .252 | 6,40 | ✔ | ✔ | A |
| | | | | 1/4 | M6 | 165035 | .500 | 12,70 | 1.184 | 30,07 | | .267 | 6,78 | – | ✔ | A |
| | | .042 | 1,07 | 1/4 | M6 | 34855 | .531 | 13,49 | 1.327 | 33,71 | | .250 | 6,35 | ✔ | ✔ | A |
| | | | | 5/16 | M8 | 34856 | .531 | 13,49 | 1.327 | 33,71 | | .250 | 6,35 | ✔ | ✔ | A |
| | | .039 | 1,00 | | M8 | 160296 | .500 | 12,70 | 1.185 | 30,10 | | .248 | 6,30 | – | ✔ | A |
| | | .042 | 1,07 | 3/8 | | 34173 | .593 | 15,06 | 1.421 | 36,09 | | .230 | 5,84 | ✔ | ✔ | A |
| | | .039 | 1,00 | | M10 | 160300 | .594 | 15,09 | 1.433 | 36,40 | | .248 | 6,30 | – | ✔ | A |
| | | .042 | 1,07 | 1/2 | M12 | 34837 | .750 | 19,05 | 1.594 | 40,49 | | .250 | 6,35 | ✔ | ✔ | A |
| 8 | 6,64-10,50 | .043 | 1,09 | 8 | M4 | 52041 | .478 | 12,14 | 1.586 | 40,28 | | .360 | 9,14 | ✔ | – | C |
| | | | | 10 | | 52263 | .431 | 10,95 | 1.556 | 39,52 | | .360 | 9,14 | ✔ | – | B |
| | | | | 10 | | 52263-1 | .431 | 10,95 | 1.576 | 40,03 | | .330 | 8,38 | ✔ | – | B |
| | | | | 1/4 | M6 | 52041-1 | .478 | 12,14 | 1.586 | 40,28 | | .360 | 9,14 | ✔ | – | C |

## Ring Tongue Terminals (continued)

| Wire Size | | Material Thickness | | Studsize/ Pin Length Wire Pin | | Standard Part Number | Width (W) | | Length (L) | | Color | Max. Wire Insulation Dia. | | Also available in[4] | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AWG | mm² | inch | mm | U.S. | mm | | inch | mm | inch | mm | | inch | mm | Tape & Reel | Small Pack | |
| 8 | 6,64 - 10,50 | .043 | 1,09 | 5/16 | M8 | 52291 | .587 | 14,91 | 1.696 | 43,08 | | .360 | 9,14 | ✔ | – | C |
| | | | | 3/8 | | 52291-1 | .587 | 14,91 | 1.696 | 43,08 | | .360 | 9,14 | ✔ | – | C |
| | | | | 1/2 | M12 | 52262-1 | .875 | 22,23 | 1.860 | 47,24 | | .330 | 8,38 | – | – | A |
| 6 | 10,5 - 16,8 | .048 | 1,22 | 8 | M4 | 52042-2 | .500 | 12,70 | 1.869 | 47,47 | | .436 | 11,07 | ✔ | – | C |
| | | | | 10 | | 52265 | .468 | 11,89 | 1.719 | 43,66 | | .436 | 11,07 | ✔ | ✔ | B |
| | | | | 1/4 | M6 | 52042-1 | .500 | 12,70 | 1.869 | 47,47 | | .436 | 11,07 | – | – | C |
| | | | | 5/16 | M8 | 52264 | .625 | 15,88 | 1.906 | 48,41 | | .450 | 11,43 | ✔ | – | B |
| | | | | 3/8 | | 52264-1 | .625 | 15,88 | 1.906 | 48,41 | | .450 | 11,43 | ✔ | – | B |
| | | | | 1/2 | M12 | 52350 | .815 | 20,70 | 1.851 | 47,02 | | .436 | 11,07 | – | – | C |
| 4 | 16,8 - 26,7 | .051 | 1,30 | 10 | | 52043-2 | .546 | 13,87 | 1.948 | 49,48 | | .450 | 11,43 | ✔ | – | B |
| | | | | 1/4 | M6 | 52043-3 | .546 | 13,87 | 1.948 | 49,48 | | .450 | 11,43 | ✔ | – | B |
| | | | | 5/16 | M8 | 52266 | .679 | 17,25 | 2.014 | 51,16 | | .515 | 13,08 | ✔ | – | B |
| | | | | 3/8 | | 52266-4 | .679 | 17,25 | 2.014 | 51,16 | | .450 | 11,43 | ✔ | – | B |
| 2 | 26,7 - 42,4 | .060 | 1,52 | 1/4 | M6 | 52267-1 | .675 | 17,15 | 2.071 | 52,60 | | .560 | 14,22 | – | – | B |
| | | | | 1/4 | M6 | 52267 | .675 | 17,15 | 2.071 | 52,60 | | .632 | 16,05 | – | – | B |
| | | | | 5/16 | M8 | 52044-1 | .711 | 18,06 | 2.089 | 53,06 | | .632 | 16,05 | – | – | B |
| | | | | 3/8 | | 52044-2 | .711 | 18,06 | 2.089 | 53,06 | | .632 | 16,05 | – | – | B |

## Multiple Studsize Ring Tongue

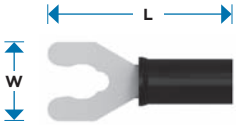
| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 - 16 | 0,26 - 1,65 | .033 | 0,84 | 6 - 10 | M3.5 - M5 | 54774-1 | .325 | 8,26 | .969 | 24,61 | | .125 | 3,18 | ✔ | – | |
| 16 - 14 | 1,04 - 2,62 | .033 | 0,84 | 6 - 10 | M3.5 - M5 | 54775-1 | .325 | 8,26 | .969 | 24,61 | | .145 | 3,68 | ✔ | – | |

## Spades: Standard Spade

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 - 16 | 0,26 - 1,65 | .031 | 0,79 | 4 | M2.5 | 165004 | .218 | 5,54 | .784 | 19,91 | | .160 | 4,06 | – | ✔ | |
| | | .033 | 0,84 | 6 | M3.5 | 327043 | .250 | 6,35 | .858 | 21,79 | | .140 | 3,56 | ✔ | ✔ | |
| | | | | 6 | M3.5 | 320665 | .297 | 7,54 | .765 | 19,43 | | .140 | 3,56 | ✔ | ✔ | |
| | | | | 8 | M4 | 34155 | .375 | 9,53 | .920 | 23,37 | | .140 | 3,56 | ✔ | ✔ | |
| | | .031 | 0,80 | 8 | M4 | 165008 | .280 | 7,11 | .831 | 21,11 | | .142 | 3,61 | ✔ | ✔ | |
| | | .033 | 0,84 | 10 | | 34156 | .375 | 9,53 | .920 | 23,37 | | .140 | 3,56 | ✔ | ✔ | |
| 16 - 14 | 1,04 - 2,62 | .033 | 0,84 | 6 | M3.5 | 322994 | .297 | 7,54 | .765 | 19,43 | | .145 | 3,68 | ✔ | ✔ | |
| | | | | 6 | M3.5 | 34165 | .385 | 9,78 | .920 | 23,37 | | .170 | 4,32 | – | ✔ | |
| | | | | 8 | M4 | 326741 | .297 | 7,54 | .765 | 19,43 | | .170 | 4,32 | ✔ | ✔ | |
| | | | | 8 | M4 | 34166 | .385 | 9,78 | .920 | 23,37 | | .170 | 4,32 | ✔ | ✔ | |
| | | .031 | 0,81 | 8 | M4 | 165012 | .250 | 6,40 | .788 | 20,00 | | .195 | 4,95 | ✔ | ✔ | |
| | | .033 | 0,84 | 10 | | 34167 | .385 | 9,78 | .920 | 23,37 | | .170 | 4,32 | ✔ | ✔ | |
| | | .035 | 0,90 | | M5 | 160171 | .385 | 9,78 | .933 | 23,70 | | .193 | 4,90 | – | ✔ | |
| 12 - 10 | 2,62 - 6,64 | .039 | 1,00 | | M4.5 | 165015 | .315 | 8,00 | 1.238 | 31,45 | | .252 | 6,40 | – | ✔ | |
| | | .040 | 1,02 | 10 | | 34176 | .406 | 10,31 | 1.095 | 27,81 | | .230 | 5,84 | ✔ | ✔ | |
| | | .039 | 1,00 | | M5 | 165017 | .530 | 13,46 | 1.307 | 33,19 | | .252 | 6,40 | – | ✔ | |
| | | .039 | 1,00 | 1/4 | M6 | 165019 | .530 | 13,46 | 1.307 | 33,19 | | .252 | 6,40 | – | ✔ | |

## Spades: Flanged Spade

| Wire Size | | Material Thickness | | Studsize/ Pin Length Wire Pin | | Standard Part Number | Width (W) | | Length (L) | | Color | Max. Wire Insulation Dia. | | Also available in[4] | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AWG | mm² | inch | mm | U.S. | mm | | inch | mm | inch | mm | | inch | mm | Tape & Reel | Small Pack | |
| **22-16** | 0,26-1,65 | **.033** | 0,84 | **6** | M3.5 | **322249** | **.296** | 7,52 | **.749** | 19,02 | | **.140** | 3,56 | ✔ | ✔ | |
| | | | | **8** | M4 | **324169** | **.416** | 10,57 | **.842** | 21,39 | | **.140** | 3,56 | ✔ | ✔ | |
| | | | | **10** | | **328516** | **.296** | 7,52 | **.749** | 19,02 | | **.140** | 3,56 | ✔ | ✔ | |
| **16-14** | 1,04-2,62 | **.033** | 0,84 | **6** | M3.5 | **324165** | **.294** | 7,47 | **.749** | 19,02 | | **.170** | 4,32 | ✔ | ✔ | |
| | | | | **8** | M4 | **53874-1** | **.284** | 7,21 | **.749** | 19,02 | | **.170** | 4,32 | ✔ | – | |
| | | | | **8** | M4 | **160212** | **.294** | 7,47 | **.749** | 19,02 | | **.173** | 4,39 | – | – | |
| | | **.031** | 0,79 | | M5 | **160213** | **.294** | 7,47 | **.749** | 19,02 | | **.173** | 4,39 | – | ✔ | |
| **12-10** | 2,62-6,64 | **.042** | 1,07 | **6** | M3.5 | **324581** | **.296** | 7,52 | **1.017** | 25,83 | | **.230** | 5,84 | ✔ | ✔ | |
| | | | | **8** | M4 | **324172** | **.416** | 10,57 | **1.017** | 25,83 | | **.230** | 5,84 | ✔ | ✔ | |
| | | | | **10** | | **52856** | **.416** | 10,57 | **1.017** | 25,83 | | **.250** | 6,35 | ✔ | ✔ | |




## Short Spring Spade

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **22-16** | 0,26-1,65 | **.033** | 0,84 | **4** | M2.5 | **52947** | **.203** | 5,16 | **.811** | 20,60 | | **.140** | 3,56 | ✔ | ✔ | 2 |
| | | | | **5** | M3 | **52948** | **.250** | 6,35 | **.811** | 20,60 | | **.140** | 3,56 | ✔ | ✔ | 2 |
| | | | | **6** | M3.5 | **52949** | **.250** | 6,35 | **.811** | 20,60 | | **.140** | 3,56 | ✔ | ✔ | 2 |
| | | | | **6** | M3.5 | **53240-1** | **.234** | 5,94 | **.811** | 20,60 | | **.140** | 3,56 | ✔ | – | 2 |
| | | | | **8** | M4 | **53241-1** | **.244** | 6,20 | **.872** | 22,15 | | **.140** | 3,56 | ✔ | – | 2 |
| | | | | **10** | | **53242-1** | **.294** | 7,47 | **.920** | 23,37 | | **.140** | 3,56 | ✔ | – | 2 |
| **16-14** | 1,04-2,62 | **.033** | 0,84 | **6** | M3.5 | **52955** | **.250** | 6,35 | **.811** | 20,60 | | **.170** | 4,32 | ✔ | ✔ | 2 |
| | | | | **8** | M4 | **53244-1** | **.244** | 6,20 | **.872** | 22,15 | | **.170** | 4,32 | ✔ | ✔ | 2 |
| | | | | **10** | | **52957** | **.406** | 10,31 | **.920** | 23,37 | | **.170** | 4,32 | ✔ | ✔ | 2 |
| **12-10** | 2,62-6,64 | **.042** | 1,07 | **6** | M3.5 | **52961** | **.250** | 6,35 | **.959** | 24,36 | | **.200** | 5,08 | ✔ | ✔ | 2 |
| | | | | **8** | M4 | **53247-1** | **.312** | 7,92 | **1.052** | 26,72 | | **.250** | 6,35 | ✔ | ✔ | 2 |
| | | | | **10** | | **52963-2** | **.406** | 10,31 | **1.100** | 27,94 | | **.250** | 6,35 | ✔ | – | 2 |

## Long Spring Spade

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **22-16** | 0,26-1,65 | **.033** | 0,84 | **6** | M3.5 | **52453** | **.250** | | **.945** | 24,00 | | **.140** | 3,56 | ✔ | ✔ | 2 |
| | | | | **8** | M4 | **52454** | **.281** | | **.991** | 25,17 | | **.140** | 3,56 | ✔ | ✔ | 2 |
| | | | | **10** | | **52455** | **.343** | | **1.017** | 25,83 | | **.140** | 3,56 | ✔ | ✔ | 2 |
| **16-14** | 1,04-2,62 | **.033** | 0,84 | **6** | M3.5 | **52463** | **.250** | | **.945** | 24,00 | | **.170** | 4,32 | ✔ | – | 2 |
| | | | | **8** | M4 | **52464** | **.281** | | **.991** | 25,17 | | **.170** | 4,32 | ✔ | ✔ | 2 |
| | | | | **10** | | **52465** | **.343** | | **1.017** | 25,83 | | **.170** | 4,32 | ✔ | – | 2 |
| **12-10** | 2,62-6,64 | **.042** | 1,07 | **8** | M4 | **52474** | **.375** | | **1.174** | 29,82 | | **.200** | 5,08 | ✔ | – | 2 |
| | | | | **10** | | **52475** | **.375** | | **1.219** | 30,96 | | **.200** | 5,08 | ✔ | – | 2 |

## Butt Splices

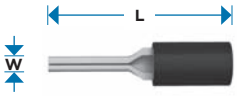
| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **26-22** | 0,12-0,41 | **n.a.** | **n.a.** | **321026** | **n.a.** | **.620** | 15,75 | | **.080** | 2,03 | ✔ | ✔ | |
| **22-16** | 0,26-1,65 | **n.a.** | **n.a.** | **34067** | **n.a.** | **1.065** | 27,05 | | **.120** | 3,05 | ✔ | ✔ | |
| | | **n.a.** | **n.a.** | **34070** | **n.a.** | **1.076** | 27,33 | | **.140** | 3,56 | ✔ | ✔ | |
| | | **n.a.** | **n.a.** | **34243** | **n.a.** | **1.065** | 27,05 | | **.170** | 4,32 | ✔ | ✔ | |

## Butt Splices (continued)

| Wire Size | | Material Thickness | | Studsize/ Pin Length Wire Pin | | Standard Part Number | Width (W) | | Length (L) | | Color | Max. Wire Insulation Dia. | | Also available in[4] | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AWG | mm² | inch | mm | U.S. | mm | | inch | mm | inch | mm | | inch | mm | Tape & Reel | Small Pack | |
| 22-16 | 0,26-1,65 | n.a. | | n.a. | | 34203 | n.a. | | 1.065 | 27,05 | | .083 x .171 | 2,11 x 4,34 | – | – | 1 |
| 16-14 | 1,04-2,62 | n.a. | | n.a. | | 34068 | n.a. | | 1.065 | 27,05 | | .140 | 3,56 | ✔ | ✔ | |
| | | n.a. | | n.a. | | 34071 | n.a. | | 1.065 | 27,05 | | .170 | 4,32 | ✔ | ✔ | |
| | | n.a. | | n.a. | | 35244 | n.a. | | 1.065 | 27,05 | | .215 | 5,46 | ✔ | ✔ | |
| | | n.a. | | n.a. | | 34204 | n.a. | | 1.065 | 27,05 | | .135 x .245 | 3,43 x 6,22 | ✔ | ✔ | 1 |
| 12-10 | 2,62-6,64 | n.a. | | n.a. | | 34069 | n.a. | | 1.160 | 29,46 | | .200 | 5,08 | – | – | |
| | | n.a. | | n.a. | | 34072 | n.a. | | 1.160 | 29,46 | | .230 | 5,84 | ✔ | ✔ | |
| | | n.a. | | n.a. | | 34945 | n.a. | | 1.160 | 29,46 | | .250 | 6,35 | – | – | |

## Parrallel Splices

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22-16 | 0,26-1,65 | n.a. | | n.a. | | 34131 | n.a. | | .760 | 19,30 | | .120 | 3,05 | – | – | |
| | | n.a. | | n.a. | | 34132 | n.a. | | .760 | 19,30 | | .140 | 3,56 | – | ✔ | |
| 16-14 | 1,04-2,62 | n.a. | | n.a. | | 34133 | n.a. | | .760 | 19,30 | | .140 | 3,56 | – | – | |
| | | n.a. | | n.a. | | 34134 | n.a. | | .760 | 19,30 | | .170 | 4,32 | – | ✔ | |
| 12-10 | 2,62-6,64 | n.a. | | n.a. | | 34135 | n.a. | | .843 | 21,41 | | .200 | 5,08 | – | – | |
| | | n.a. | | n.a. | | 34136 | n.a. | | .870 | 22,10 | | .230 | 5,84 | – | ✔ | |

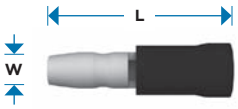



## Wire Pins (formed)

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22-16 | 0,26-1,65 | n.a. | .264 | 6,71 | 165143 | .071 | 1,80 | .807 | 20,50 | | .146 | 3,71 | – | ✔ | |
| | | | .390 | 9,91 | 165167 | .071 | 1,80 | .937 | 23,80 | | .146 | 3,71 | – | ✔ | |
| 16-14 | 1,04-2,62 | n.a. | .264 | 6,71 | 165075 | .071 | 1,80 | .815 | 20,70 | | .193 | 4,90 | – | ✔ | |
| | | | .390 | 9,91 | 165171 | .071 | 1,80 | .933 | 23,70 | | .193 | 4,90 | – | ✔ | |
| 12-10 | 2,62-6,64 | n.a. | .390 | 9,91 | 165085 | .102 | 2,60 | 1.150 | 29,21 | | .252 | 6,40 | – | ✔ | |

## Wire Pins (flat)

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22-16 | 0,26-1,65 | n.a. | .319 | 8,10 | 131443 | .116 | 2,95 | .906 | 23,00 | | .142 | 3,60 | – | ✔ | |
| 16-14 | 1,04-2,62 | n.a. | .319 | 8,10 | 131444 | .116 | 2,95 | .906 | 23,00 | | .193 | 4,90 | – | ✔ | |
| 12-10 | 2,62-6,64 | n.a. | .331 | 8,40 | 131445 | .165 | 4,20 | 1.157 | 29,40 | | .252 | 6,40 | – | ✔ | |




## Shur Plugs

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16-14 | 1,04-2,62 | pin | n.a. | 324227 | .156 | 3,96 | .800 | 20,32 | | .193 | 4,90 | ✔ | ✔ | 3 |
| | | pin | n.a. | 324228 | .180 | 4,57 | .773 | 19,63 | | .193 | 4,90 | – | ✔ | 3 |

**Remarks**

A, B, C code referring to shape of terminal, see on top of Ring Tongue Terminals chapter (page 2)
1 Oval expansion
2 Brass per ASTM B-36
3 Receptacles only available in PIDG version. Partnumbers 165399-1 and 165429-1 are preferred
4 ✔ Standard Part Number also available in Tape & Reel and/or Small Pack
– Standard Part Number is not available in Tape & Reel and/or Small Pack
**For all applicable part numbers see specification 404-32020 at te.com**

**For all remarks and additional information see Customer Drawing on www.te.com**

## FREQUENTLY ASKED QUESTIONS

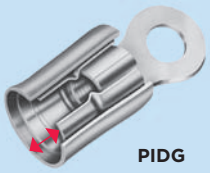
**Can wires be combined in PLASTI-GRIP terminals?**
Yes they can as long total CMA (Circular MIL Area) and insulation diameter fall within specification.

**Are TE PLASTI-GRIP terminals MIL specified?**
No, PLASTI-GRIP terminals are not Military qualified;
Most PIDG and SOLISTRAND terminals are qualified to SAE AS7928.

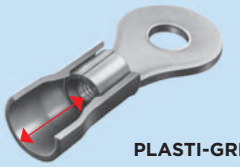
**What to choose if you need higher temperature?**
Use STRATO-THERM terminals (catalog 82011).

**Why can PLASTI-GRIP terminals handle 600 V and PIDG terminals just 300 V?**
Because there's no additional metallic sleeve to support the crimp (see picture).

**Why is there no crimpheight given for PLASTI-GRIP terminals?**
It is the geometry of the TE crimping tools which guarantees the perfect crimp on PLASTI-GRIP terminals.



**PIDG**



**PLASTI-GRIP**

## TOOLING

**Commercial tooling**
Most terminals (AWG22-10) can be terminated with handtool 58433-3 (58423-1 + 354940-1) or 169400 + 169404.
For Butt-splices only 58433-3 and for Parallel-splices no commercial tooling available.
For wire sizes 8 - 2 no commercial tooling available.

**Premium tooling**

| | |
|---|---|
| AWG 22 - 16 | 47386 or 59824-1 |
| AWG 16 - 14 | 47387 or 59824-1 |
| AWG 12 - 10 | 59239-4 or 59824-1 |
| AWG 8 | 59974-1 + 47820 or 59974-1 + 48752-1 |
| AWG 6 | 59974-1 + 47821 or 59974-1 + 48753-1 |
| AWG 4 | 59974-1 + 47822 or 59974-1 + 48754-1 |
| AWG 2 | 59974-1 + 47823 or 59974-1 + 48755-1 |

| Butt Splices: | | Parallel Splices: | |
|---|---|---|---|
| AWG 26 - 22 | 46121 | AWG 22 - 16 | 45449 |
| AWG 22 - 16 | 45160 | AWG 16 - 14 | 45450 |
| AWG 16 - 14 | 45575-1 | AWG 12 - 10 | 59270 |
| AWG 12 - 10 | 59489 | | |

**Service tool**

| | |
|---|---|
| AWG 22 - 10 | 169060-8 |

**http://tooling.te.com/europe/handtools.asp**
**http://www.te.com**

**FOR MORE INFORMATION**

**TE Technical Support Center**

| | |
|---|---|
| Internet: | te.com/help |
| USA: | +1 (800) 522-6752 |
| Canada: | +1 (905) 475-6222 |
| Mexico | +52 (0) 55-1106-0800 |
| Latin/S. America: | +54 (0) 11-4733-2200 |
| Germany: | +49 (0) 6251-133-1999 |
| UK: | +44 (0) 800-267666 |
| France: | +33 (0) 1-3420-8686 |
| Netherlands: | +31 (0) 73-6246-999 |
| China: | +86 (0) 400-820-6015 |

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*as defined www.te.com/leadfree

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