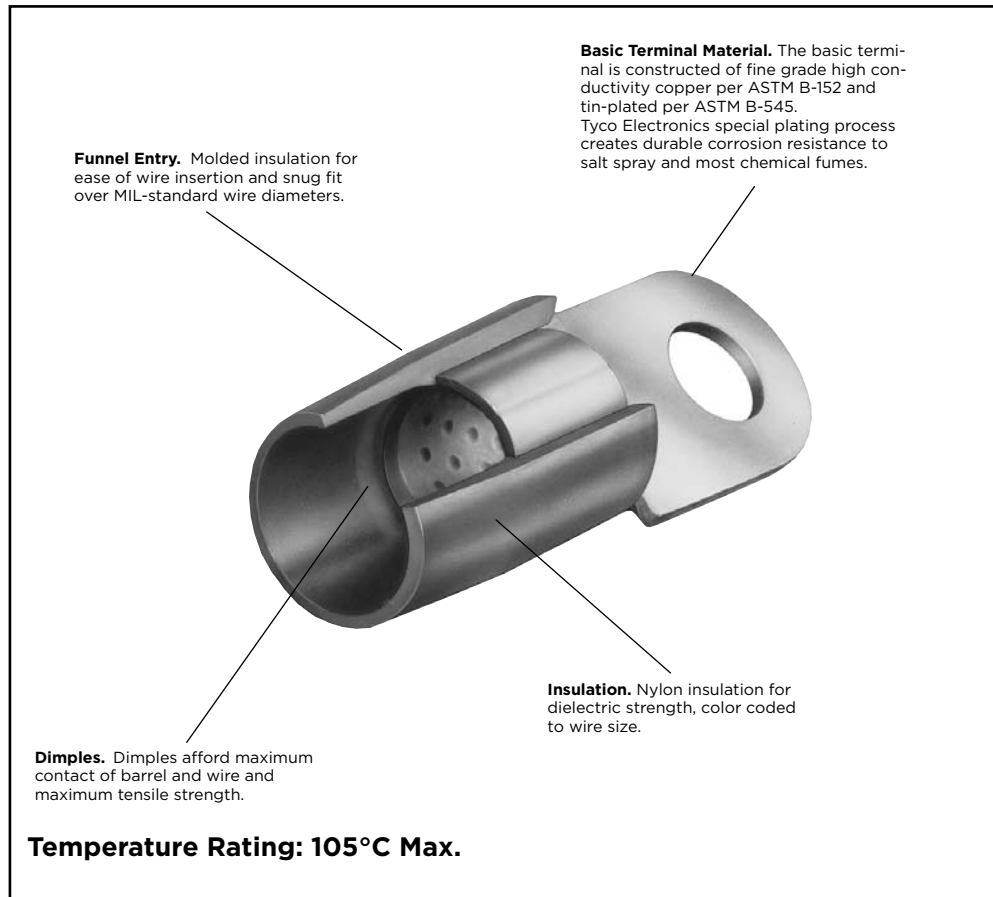


TERMINYL Terminals and Splices

Product Facts

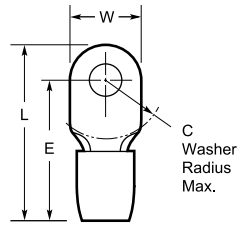
- Designed to provide insulated terminals and splices for large wire sizes, many of which are used in airborne and ground support applications
- Tested under the procedures stipulated by MIL Spec. MIL-T-7928, they meet and exceed requirements
- Designed and engineered to withstand extreme vibration, shock and structural stresses, elevated temperatures and other conditions which could adversely affect the circuit requirements in complex air and space flight equipment
- The use of matching AMP tooling provides for precision crimping which makes all terminations identical
- This uniformity promotes maximum reliability and, coupled with tool die marks on the barrel indicating the wire size and color coding of the insulation sleeve, also serves as a built-in quality control factor
- Pre-insulated with color coded nylon which also acts as insulation support
- Wire size range of terminals is 8 AWG through 4/0 AWG



TERMINYL Terminals meet or exceed the requirements of MIL-T-7928, Type II, Class 2. Refer to AMP Qualified Products for Military Application, Catalog 73-159 for Military Specification Number to AMP Part Number cross reference.

TERMINYL Terminals and Splices (Continued)

Ring Tongue Terminals



Material
Insulation -Nylon, UL 94V-2
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. 67

| Wire Size Circular Mils [mm ²] | Tongue Material Thickness Max. | Stud Size | Dimensions | | | | Terminal Insulation Color | Wire Insulation Diameter Max. | Part Numbers Loose Piece |
|--|---|--------------|---------------|---------------|----------------|----------------|---------------------------------|--|--------------------------------|
| | | | W | C | E Max. | L Max. | | | |
| 8 13,100-20,800 [6.64-10.5] | .043 1.09 | 8 M4 | .478 12.14 | .437 11.10 | 1.183 30.05 | 1.425 36.20 | Red | .256 6.50 | 53041 |
| | | 10 | .431 10.95 | .437 11.10 | 1.183 30.05 | 1.402 35.61 | Red | .256 6.50 | 324043 |
| | | 1/4 M6 | .478 12.14 | .437 11.10 | 1.183 30.05 | 1.425 36.20 | Red | .256 6.50 | 324082 |
| | | 5/16 M8 | .587 14.91 | .500 12.70 | 1.246 31.65 | 1.542 39.17 | Red | .256 6.50 | 324044 |
| | | 3/8 | .587 14.91 | .500 12.70 | 1.246 31.65 | 1.542 39.17 | Red | .256 6.50 | 324045 |
| 6 20,800-33,100 [10.5-16.8] | .048 1.22 | 10 | .398 10.11 | .515 13.08 | 1.447 36.75 | 1.700 43.18 | Blue | .314 7.98 | 53119-1 ¹ |
| | | 10 | .468 11.89 | .421 10.69 | 1.338 33.99 | 1.575 40.01 | Blue | .314 7.98 | 324046 |
| | | 1/4 M6 | .500 12.70 | .515 13.08 | 1.447 36.75 | 1.700 43.18 | Blue | .314 7.98 | 324047 |
| | | 5/16 M8 | .625 15.88 | .515 13.08 | 1.447 36.75 | 1.762 44.75 | Blue | .314 7.98 | 324048 |
| | | 3/8 | .625 15.88 | .515 13.08 | 1.447 36.75 | 1.762 44.75 | Blue | .314 7.98 | 324049 |
| 4 33,100-52,600 [16.8-26.7] | .051 1.30 | 8 M4 | .437 11.10 | .265 6.73 | 1.155 29.34 | 1.376 34.95 | Yellow | .382 9.70 | 331456 |
| | | 10 | .437 11.10 | .265 6.73 | 1.155 29.34 | 1.376 34.95 | Yellow | .382 9.70 | 1-331456-0 |
| | | 10 | .546 13.87 | .531 13.49 | 1.536 39.01 | 1.812 46.02 | Yellow | .382 9.70 | 324111 |
| | | 1/4 M6 | .546 13.87 | .531 13.49 | 1.536 39.01 | 1.812 46.02 | Yellow | .382 9.70 | 324050 |
| | | 5/16 M8 | .679 17.25 | .531 13.49 | 1.536 39.01 | 1.878 47.70 | Yellow | .382 9.70 | 324051 |
| | | 3/8 | .679 17.25 | .531 13.49 | 1.536 39.01 | 1.878 47.70 | Yellow | .382 9.70 | 324052* |
| | | 1/2 M12 | .679 17.25 | .531 13.49 | 1.536 39.01 | 1.878 47.70 | Yellow | .382 9.70 | 324114 |
| 4HD ³ 33,100-52,600 [16.8-26.7] | .094 2.39 | 1/4 M6 | .500 12.70 | .390 9.91 | 1.349 34.26 | 1.602 40.69 | Yellow | .443 11.25 | 330966 |
| | | 5/16 M8 | .679 17.25 | .456 11.58 | 1.565 39.75 | 1.907 48.44 | Yellow | .443 11.25 | 1-331421-0 |
| | | 3/8 | .679 17.25 | .456 11.58 | 1.565 39.75 | 1.907 48.44 | Yellow | .443 11.25 | 1-331421-1 |
| 2 52,600-83,700 [26.7-42.4] | .060 1.52 | 10 | .711 18.06 | .578 14.68 | 1.705 43.31 | 2.063 52.40 | Red | .468 11.89 | 328655 |
| | | 1/4 M6 | .679 17.25 | .578 14.68 | 1.705 43.31 | 2.045 51.94 | Red | .468 11.89 | 324053 |
| | | 5/16 M8 | .711 18.06 | .578 14.68 | 1.705 43.31 | 2.063 52.40 | Red | .468 11.89 | 324112 |
| | | 3/8 | .711 18.06 | .578 14.68 | 1.705 43.31 | 2.063 52.40 | Red | .468 11.89 | 324054 |
| | | 1/2 M12 | .855 21.72 | .578 14.68 | 1.705 43.31 | 2.135 54.23 | Red | .468 11.89 | 324055 |

*Available in small packaging quantities.

¹Rectangular tongue terminal

²90° bend ring tongue terminal

³Heavy duty for extra mechanical strength.

TERMINYL Terminals and Splices

TERMINYL Terminals and Splices (Continued)

Ring Tongue Terminals

(Continued)

| Wire Size Circular Mils [mm ²] | Tongue Material Thickness Max. | Stud Size | Dimensions | | | | Terminal Insulation Color | Wire Insulation Diameter Max. | Part Numbers | |
|--|---|--------------|-----------------------|----------------------|-----------------------|-----------------------|---------------------------------|--|----------------|--|
| | | | W | C | E Max. | L Max. | | | Loose Piece | |
| 1/0 83,700-119,500 [42.4-60.6] | .073 1.85 | 1/4 M6 | .675 17.15 | .625 15.88 | 2.033 51.64 | 2.360 59.94 | Blue | .580 14.73 | 55822-1 | |
| | | | .807 20.50 | .625 15.88 | 2.033 51.64 | 2.426 61.62 | Blue | .580 14.73 | 324056 | |
| | | 5/16 M8 | .807 20.50 | .625 15.88 | 2.033 51.64 | 2.426 61.62 | Blue | .580 14.73 | 324113 | |
| | | | .807 20.50 | .625 15.88 | 2.033 51.64 | 2.426 61.62 | Blue | .580 14.73 | 324057 | |
| | | 1/2 M12 | .875 22.23 | .625 15.88 | 2.017 51.23 | 2.454 62.33 | Blue | .580 14.73 | 324058 | |
| 2/0 119,500-150,500 [60.6-76.3] | .083 2.11 | 5/16 M8 | .926 23.52 | .625 15.88 | 2.026 51.46 | 2.416 61.37 | Yellow | .610 15.49 | 324083 | |
| | | 3/8 | .926 23.52 | .625 15.88 | 2.026 51.46 | 2.416 61.37 | Yellow | .610 15.49 | 324084 | |
| | | 1/2 M12 | .926 23.52 | .625 15.88 | 2.026 51.46 | 2.416 61.37 | Yellow | .610 15.49 | 324085 | |
| 3/0 150,500-190,000 [76.3-96.3] | .094 2.39 | 3/8 | 1.082 27.48 | .625 15.88 | 2.294 58.27 | 2.794 70.97 | Red | .680 17.27 | 324185 | |
| 4/0 190,000-231,100 [96.3-117] | .105 2.67 | 3/8 | .835 21.21 | .625 15.88 | 2.295 58.29 | 2.700 68.58 | Blue | .765 19.43 | 329150 | |
| | | | 1.150 29.21 | .625 15.88 | 2.295 58.29 | 2.858 72.59 | Blue | .765 19.43 | 324187 | |
| | | 1/2 M12 | 1.150 29.21 | .625 15.88 | 2.295 58.29 | 2.858 72.59 | Blue | .765 19.43 | 324188 | |

TERMINYL Terminals and Splices (Continued)

Butt Splices

Material

Insulation Sleeve -Nylon, UL 94V-2

Splice Body -Copper per ASTM B-152

Plating -Tin per ASTM B-545

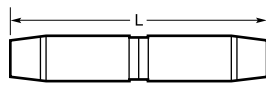
Related Product Data

Insulation Color Code -pg. 4

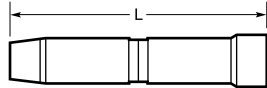
Packaging Quantities -pg. 4

Performance Specifications - pgs. 4 & 5

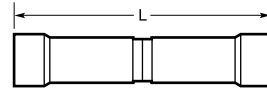
Application Tooling -pg. 67



Single to single-
Standard splice or
step down assembly



Single to multiple
Standard splice



Multiple to Multiple
Standard splice

| Wire Size Circular Mils [mm ²] | Style | Dimension L Max. | Splice Insulation Color | Wire Insulation Diameter Max. | | Part Numbers |
|---|---|------------------------|------------------------------------|-------------------------------|----------------------|--------------|
| | | | | Single End | Multiple End | |
| 8 to 12-10 13,100-20,800 [6.64-10.5] to 5,180-13,100 [2.62-6.64] | Single to Single Step-Down Assembly | 2.066 52.48 | Red w/ Yellow at adapter end | .255 6.48 | — | 328569 |
| 6 to 8 20,800-33,100 [10.5-16.8] to 13,100-20,800 [6.64-10.5] | Single to Single Step-Down Assembly | 2.265 57.53 | Blue w/ Red at adapter end | .310 7.87 | — | 328571 |
| 8 13,100-20,800 [6.64-10.5] | Single to Single Standard Splice | 2.066 52.48 | Red | .255 6.48 | — | 324625 |
| 6 20,800-33,100 [10.5-16.8] | | 2.265 57.53 | Blue | .310 7.87 | — | 324660 |
| 4 33,100-52,600 [16.8-26.7] | | 2.804 71.22 | Yellow | .370 9.40 | — | 324622 |
| 2 52,600-83,700 [26.7-42.4] | | 3.094 78.59 | Red | .445 11.30 | — | 324623 |
| 8 13,100-20,800 [6.64-10.5] | Single to Multiple Standard Splice | 2.171 55.14 | Red | .255 6.48 | .335 8.51 | 324658 |
| 6 20,800-33,100 [10.5-16.8] | | 2.359 59.92 | Blue | .310 7.87 | .415 10.54 | 324621 |
| 4 33,100-52,600 [16.8-26.7] | | 2.804 71.22 | Yellow | .370 9.40 | .495 12.57 | 324662 |
| 8 13,100-20,800 [6.64-10.5] | Multiple to Multiple Standard Splice | 2.276 57.81 | Red | — | .335 8.51 | 324657 |
| 6 20,800-33,100 [10.5-16.8] | | 2.484 63.09 | Blue | — | .415 10.54 | 324659 |
| 2 52,600-83,700 [26.7-42.4] | | 3.094 78.59 | Red | — | .595 15.11 | 324663 |

¹Step-Down Assembly includes adapter which is visible through insulation sleeve window.