

**TYPES YAV BOX AND YAV**

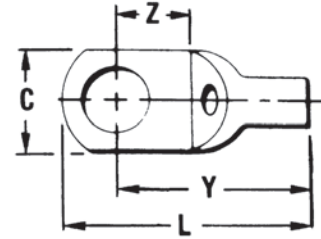
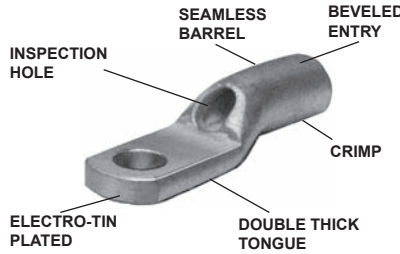
**HYLUG™**

**Seamless Uninsulated Compression Heavy Duty Ring Tongue Terminal**

HYLUG™ type YAV is a seamless, heavy duty uninsulated compression ring tongue terminal manufactured from pure electrolytic copper tubing and is for use on copper commercial (code) cable, type AN aircraft cable and extra flexible conductors. Because of its seamless design, the YAV HYLUG™ also accommodates solid conductors.

The seamless tubing produces a double thick tongue and a strong connector for demanding applications that require high reliability. Applications include industrials, hospitals, electric utilities, aircraft, shipboard and marine, computers, steel mills, mining equipment and other equipment that is subject to vibration or requiring dependable electrical performance.

The YAV HYLUG™ terminals meet the requirements of SAE-AS7928.



**Features & Benefits**

- Manufactured from seamless pure electrolytic copper tubing
- Provides maximum conductivity, low resistance and excellent ductility for crimping
- Seamless tubular crimp barrel design
- No seams to split resulting in a very high quality electrical connection, also can be used on solid conductor
- Double thick tongue
- Provides a very strong terminal tongue
- Produced from tubular copper
- Extra copper material assures the compression connector will operate cooler than the conductors it connects
- Internally bevelled barrel
- Provides easy cable entry, especially for flexible conductors

- Inspection hole
- Provides easy visual check for proper conductor insertion
- Electro-tin plated
- Provides long lasting durable corrosion resistance
- Nickel plating available, add "NK" suffix
- Nickel plated HYLUG™ provide high temperature applications up to 650° F continuous service and 750° F intermittent service



**NOTE:** Field bending straight lugs to achieve an angular connection will void UL Listing / CSA Certifications and BURNDY will not be liable for the connection.

| Catalog Number | Wire Range          | Stud Size | Dimensions |        |        |        | Bulk Catalog Number | Installation Tooling   | Wire Strip Length |          |
|----------------|---------------------|-----------|------------|--------|--------|--------|---------------------|--|-------------------|----------|
|                |                     |           | C          | L Max. | Y Max. | Z Min. |                     |  |                   |          |
| YAV18-T4BOX    | 22-18 Str. and Sol. | 3,4       | 0.19       | 0.59   | 0.54   | 0.16   | YAV18T4             | Non-Ratchet: Y10D, Y10-22<br>Ratchet: MR8G98, MR8-9Q, Y8MRB-1, MR20, MRE1022B                  | 9/32"             |          |
| YAV18-L33BOX   |                     | 4-6       | 0.25       | 0.63   | 0.55   | 0.18   | YAV18L33            |  |                   |          |
| YAV18-T5BOX    |                     | 6-8       | 0.31       | 0.76   | 0.61   | 0.24   | YAV18T5             |  |                   |          |
| YAV18-T1BOX    |                     |           |            |        |        |        | YAV18T1             |  |                   |          |
| YAV18BOX       |                     | 8-10      | 0.29       | 0.70   | 0.59   | 0.18   | YAV18               |  |                   |          |
| YAV14-L33BOX   | 20-14 Str.          | 4-6       | 0.25       | 0.67   | 0.59   | 0.18   | YAV14L33            | Non-Ratchet: Y10D, Y10-22<br>Ratchet: MR8G98, MR8-9Q, Y8MRB-1, MR20, MRE1022B                  | 9/32"             |          |
| YAV14-T5BOX    |                     | 6-8       | 0.31       | 0.79   | 0.64   | 0.24   | YAV14T5             |  |                   |          |
| YAV14-T1BOX    |                     |           |            |        |        |        | YAV14T1             |  |                   |          |
| YAV14-L36BOX   | 20-12 Sol.          | 8-10      | 0.29       | 0.79   | 0.64   | 0.24   | YAV14L36            |  |                   |          |
| YAV14BOX       |                     | 1/4       | 0.40       | 0.99   | 0.75   | 0.32   | YAV14               |  |                   |          |
| YAV14-T2BOX    |                     |           |            |        |        |        | YAV14T2             |  |                   |          |
| YAV14-T3BOX    |                     |           |            |        |        |        | YAV14T3             |  |                   |          |
| YAV12-G2BOX ■  | † 14-12 Str.        | 8-10      | 0.30       | 0.78   | 0.67   | 0.24   | YAV12G2             | Y10D, Y8MRB-1, M8ND w/N14HT  | 9/32"             |          |
| YAV12-G3BOX ■  |                     | 1/4       | 0.34       | 1.00   | 0.76   | 0.33   | YAV12G3             |  |                   |          |
| YAV10-T7BOX    | 14 Str. 12-10       | 4-6       | 0.28       | 0.93   | 0.78   | 0.24   | YAV10T7*            | Non-Ratchet: Y10D, Y10-22<br>Ratchet: MR8G98, MR8-9Q, Y8MRB-1, MR20, N10HT, N10HT-24, MRE1022B | 7/16"             |          |
| YAV10-T11BOX   |                     | 6-8       |            |        |        |        | 0.38                |  |                   | 0.79     |
| YAV10-L36BOX   |                     | 8-10      | 0.29       | 0.86   | 0.71   | 0.23   | YAV10L36            |  |                   |          |
| YAV10BOX       |                     |           |            |        |        |        | 0.36                |  |                   | 0.97     |
| YAV10-T3BOX    |                     | 1/4       | 0.45       | 1.10   | 0.87   | 0.32   | YAV10T3             |  |                   |          |
| YAV10-T2BOX    |                     |           |            |        |        |        | 0.31                |  |                   | YAV10T2* |
| YAV10-T4BOX    |                     |           |            |        |        |        | 0.36                |  |                   | YAV10T4* |
| YAV9C-L36BOX   |                     | 10-9 Str. | 8-10       | 0.31   | 0.94   | 0.83   | 0.15                |  |                   | YAV9CL36 |
| YAV9C-T9BOX    | 1/4                 |           | 0.44       | 1.15   | 0.95   | 0.31   | YAV9CT9             |  |                   |          |
| YAV9C-T4BOX    | 5/16                |           | 0.52       | 1.23   | 1.02   | 0.36   | YAV9CT4             |  |                   |          |

■ Use #14 groove

† UL Listed for 14 Str. to #10 Sol. & Str. when installed with MR8G98 and Y8MRB-1 tools only.

\* Class 1 & 2 connectors

**TYPES YAV BOX AND YAV**

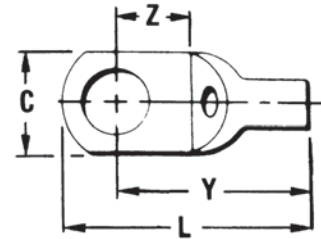
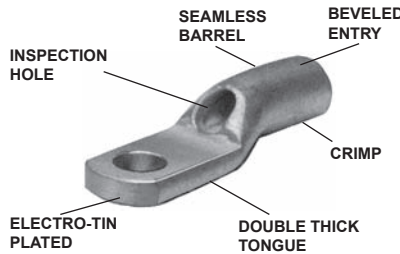
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| YAV18-T4BOX    | 22-18 Str. and Sol. | 3,4       | 0.19       | 0.59   | 0.54   | 0.16   | YAV18T4             | Non-Ratchet: Y10D, Y10-22<br>Ratchet: MR8G98, MR8-9Q, Y8MRB-1, MR20, MRE1022B                  | 9/32"             |
| YAV18-L33BOX   |                     | 4-6       | 0.25       | 0.63   | 0.55   | 0.18   | YAV18L33            |  |                   |
| YAV18-T5BOX    |                     | 6-8       | 0.31       | 0.76   | 0.61   | 0.24   | YAV18T5             |  |                   |
| YAV18-T1BOX    |                     |           |            |        |        |        | YAV18T1             |  |                   |
| YAV18BOX       |                     | 8-10      | 0.29       | 0.70   | 0.59   | 0.18   | YAV18               |  |                   |
| YAV14-L33BOX   | 20-14 Str.          | 4-6       | 0.25       | 0.67   | 0.59   | 0.18   | YAV14L33            | Non-Ratchet: Y10D, Y10-22<br>Ratchet: MR8G98, MR8-9Q, Y8MRB-1, MR20, MRE1022B                  | 9/32"             |
| YAV14-T5BOX    |                     | 6-8       | 0.31       | 0.79   | 0.64   | 0.24   | YAV14T5             |  |                   |
| YAV14-T1BOX    |                     |           |            |        |        |        | YAV14T1             |  |                   |
| YAV14-L36BOX   | 20-12 Sol.          | 8-10      | 0.29       | 0.79   | 0.64   | 0.24   | YAV14L36            |  |                   |
| YAV14BOX       |                     | 1/4       | 0.40       | 0.99   | 0.75   | 0.32   | YAV14               |  |                   |
| YAV14-T2BOX    |                     |           |            |        |        |        | YAV14T2             |  |                   |
| YAV14-T3BOX    |                     |           |            |        |        |        | YAV14T3             |  |                   |
| YAV12-G2BOX ■  | † 14-12 Str.        | 8-10      | 0.30       | 0.78   | 0.67   | 0.24   | YAV12G2             | Y10D, Y8MRB-1, M8ND w/N14HT  | 9/32"             |
| YAV12-G3BOX ■  |                     | 1/4       | 0.34       | 1.00   | 0.76   | 0.33   | YAV12G3             |  |                   |
| YAV10-T7BOX    | 14 Str. 12-10       | 4-6       | 0.28       | 0.93   | 0.78   | 0.24   | YAV10T7*            | Non-Ratchet: Y10D, Y10-22<br>Ratchet: MR8G98, MR8-9Q, Y8MRB-1, MR20, N10HT, N10HT-24, MRE1022B | 7/16"             |
| YAV10-T11BOX   |                     | 6-8       |            |        |        |        | 0.38                |  |                   |
| YAV10-L36BOX   |                     | 8-10      | 0.29       | 0.86   | 0.71   | 0.23   | YAV10L36            |  |                   |
| YAV10BOX       |                     |           |            |        |        |        | 0.36                |  |                   |
| YAV10-T3BOX    |                     | 1/4       | 0.45       | 1.10   | 0.87   | 0.32   | YAV10T3             |  |                   |
| YAV10-T2BOX    |                     | 5/16      | 0.53       | 1.13   |        |        | 0.31                |  |                   |
| YAV10-T4BOX    |                     | 3/8       |            | 1.20   | 0.88   | 0.36   | YAV10T4*            |  |                   |
| YAV9C-L36BOX   |                     | 10-9 Str. | 8-10       | 0.31   | 0.94   | 0.83   | 0.15                |  |                   |
| YAV9C-T9BOX    | 1/4                 |           | 0.44       | 1.15   | 0.95   | 0.31   | YAV9CT9             |  |                   |
| YAV9C-T4BOX    | 5/16                |           | 0.52       | 1.23   | 1.02   | 0.36   | YAV9CT4             |  |                   |

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