

Amphenol®



Amphenol® Amphe-Lug Industrial Lugs

Amphenol Industrial Operations introduces a series of high amperage, high conductivity copper terminals for use in harsh environment applications. These terminals are available for metric or AWG wire in one or two hole designs. Electro-tin plating on the terminals is standard. An inspection hole is provided to ensure adequate crimping instructions and tools is available upon request.

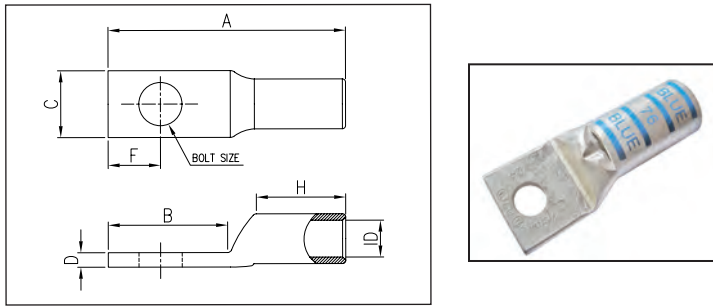
Features:

- Straight, 45°, and 90° barrels available
- Wire sizes: 8AWG ~ 4/0AWG
- Voltage range: 600V ~ 35KV
- UL and CSA certification
- Crimp termination with standard color-coded dies

TECHNICAL DATA

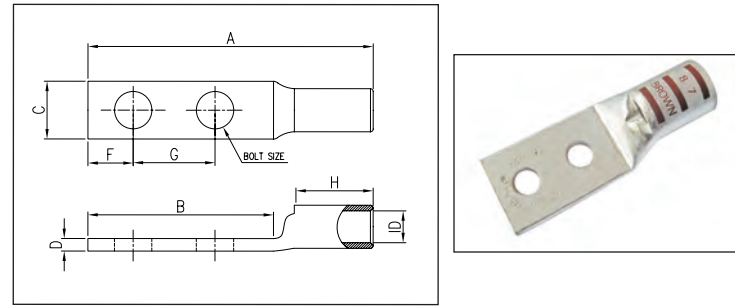
- Material: High conductivity, Wrought copper
- Finish: Electro Tin Plate
- Voltage: 600V to 35KV

Figure 1



One hole lug-standard barrel

Figure 2



Two hole lug-standard barrel

| Amphenol Catalog P/N | Fig. No. | Wire Size | | Bolt Size | A | B | C | D | F | G | ID | Die Code | Die Color | Certification | |
|----------------------|----------|-----------|---|-----------|------|------|------|------|------|------|------|----------|-----------|---------------|----------|
| | | Code | Flex | | | | | | | | | | | CSA (Y/N) | UL (Y/N) |
| AG0814-252 | 1 | #8 AWG | 37/24 = 14.9 kcmil | 1/4 | 1.21 | 0.62 | 0.48 | 0.07 | 0.25 | - | 0.18 | 21 | Red | N | Y |
| AG0614 | 1 | #6 AWG | 6 Weld | 1/4 | 1.23 | 0.53 | 0.44 | 0.07 | 0.22 | - | 0.22 | 24 | Blue | N | Y |
| AG0412-261 | 1 | #4 AWG | 40-50 Navy | 1/2 | 1.83 | 1.08 | 0.71 | 0.07 | 0.53 | - | 0.28 | 29 | Gray | Y | Y |
| AG0212-252 | 1 | #2 AWG | 60 Navy #4 Weld 125/24 = 50.5 kcmil | 1/2 | 1.89 | 1.07 | 0.75 | 0.08 | 0.47 | - | 0.31 | 33 | Brown | Y | Y |
| AU0112-260 | 1 | #1 AWG | 150/24 = 60.5 kcmil | 1/2 | 2.71 | 1.08 | 0.83 | 0.12 | 0.32 | - | 0.36 | 37 | Green | Y | Y |
| AG1038-252 | 1 | #1/0 AWG | 225/24 = 90.8 kcmil | 3/8 | 1.74 | 0.83 | 0.76 | 0.12 | 0.36 | - | 0.39 | 42 | Pink | Y | Y |
| AG2012-252 | 1 | #2/0 AWG | 275/24 = 111 kcmil | 1/2 | 2.11 | 1.09 | 0.85 | 0.13 | 0.75 | - | 0.45 | 45 | Black | Y | Y |
| AG3056 | 1 | 3/0 AWG | 325/24 = 131 kcmil | 5/16 | 1.90 | 0.88 | 0.92 | 0.13 | 0.38 | - | 0.51 | 50 | Orange | Y | Y |
| AG4038-252 | 1 | 4/0 AWG | 450/24 = 182 kcmil | 3/8 | 2.09 | 0.86 | 1.06 | 0.14 | 0.35 | - | 0.57 | 54 | Purple | Y | Y |
| AM081401-250 | 2 | #8 AWG | 37/24 = 14.9 kcmil | 1/4 | 2.49 | 1.62 | 0.48 | 0.07 | 0.25 | 1.00 | 0.18 | 21 | Red | N | Y |
| AH061243-261 | 2 | #6 AWG | 61/24 = 24.6 kcmil | 1/2 | 3.53 | 2.83 | 0.83 | 0.12 | 0.53 | 1.75 | 0.22 | 24 | Blue | N | Y |
| AH041243-260 | 2 | #4 AWG | 91/24 = 36.7 kcmil | 1/2 | 3.89 | 2.83 | 0.83 | 0.12 | 0.25 | 1.75 | 0.26 | 29 | Gray | Y | Y |
| AH021458 | 2 | #2 AWG | 125/24 = 50.5 kcmil | 1/4 | 2.13 | 1.28 | 0.59 | 0.11 | 0.25 | 0.63 | 0.30 | 33 | Brown | Y | Y |
| AH013801 | 2 | #1 AWG | 150/24 = 60.5 kcmil | 3/8 | 2.66 | 1.81 | 0.68 | 0.11 | 0.38 | 1.00 | 0.36 | 37 | Green | Y | Y |
| AH101458-251 | 2 | #1/0 AWG | 275/24 | 1/4 | 2.26 | 1.29 | 0.85 | 0.13 | 0.39 | 0.63 | 0.45 | 42 | Pink | Y | Y |
| AH201458-250 | 2 | #2/0 AWG | 275/24 = 111 kcmil | 1/4 | 2.69 | 1.41 | 0.85 | 0.13 | 0.35 | 0.63 | 0.45 | 45 | Black | Y | Y |
| AM301434 | 2 | 3/0 AWG | 325/24 = 131 kcmil | 1/4 | 2.92 | 1.45 | 0.92 | 0.13 | 0.25 | 0.75 | 0.51 | 50 | Orange | Y | Y |
| AH403801 | 2 | 4/0 AWG | 450/24 = 182 kcmil | 3/8 | 3.20 | 1.93 | 1.03 | 0.14 | 0.38 | 1.00 | 0.56 | 54 | Purple | Y | Y |

**Notes: More sizes are available for each lug style
45° and 90° standard barrels are available for both one hole and two hole versions.**

For additional information on the Amphenol-Lug connectors consult Amphenol Industrial Operations.

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