



# COPALUM Lite Sealed Terminals and Splices

Rugged, Sealed Terminals made from Aluminum at up to 60% Less Weight

## LIGHTWEIGHT

- 60% weight savings vs. copper terminals
- 53% weight savings vs. drop-forged aluminum terminals

## QUALIFIED

- Full qualification for use in commercial aircraft

## EFFICIENT

- Single-step crimp for conductor termination and watertight wire sealing
- Grease-free COPALUM dry crimp technology
- Crimp die sets are compatible with existing crimp heads and power units

## FLEXIBLE DESIGN

- Easy wire insertion with ample room for conductors
- Available with single or dual-hole terminals
- Compatible with a variety of cable constructions

## Lightweight Terminations for Aerospace Applications

COPALUM Lite sealed terminals and splices from TE Connectivity (TE) feature the time-tested dry crimp technology that has provided 30 years of reliable connectivity to the commercial aerospace industry. The new optimized design provides a weight reduction of up to 60% over copper and drop-forged lugs.

## Efficient, Reliable Terminations

The terminal's perforated insert in the crimp barrel penetrates aluminum oxides on the conductor to form a long-lasting, oxide-free termination. The single crimp process also eliminates the need for a second crimp for wire sealing. Weight savings originate from the lightweight aluminum alloy, optimized wall thickness, and short barrel length.

## TE Components . . . TE Technology . . . TE Know-how . . .

AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem | Rochester | DEUTSCH  
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Get your product to market faster with a smarter, better solution.

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At Up To 60% Less Weight



Single-Hole Lug



Dual-Hole Lug



Butt Splice

| Electrical      |             | Mechanical                  | Part No.      |                 |             |
|-----------------|-------------|-----------------------------|---------------|-----------------|-------------|
| Wire Size (AWG) | Current (A) | Crimp Tensile Strength, Min | Dual-Hole Lug | Single Hole Lug | Butt Splice |
| 2               | 152         | 375 lb (1668 N)             | 2102579-1     | 2102571-1       | 2226081-1   |
| 1/0             | 202         | 675 lb (3003 N)             | 2102580-1     | 2102572-1       | 2226082-1   |
| 2/0             | 235         | 825 lb (3670 N)             | 2102581-1     | 2102573-1       | 2226083-1   |
| 3/0             | 275         | 975 lb (4337 N)             | 2102582-1     | 2102574-1       | 2226084-1   |
| 4/0             | 303         | 1125 lb (5004 N)            | 2102583-1     | 2102575-1       | 2226085-1   |

Part numbers are for straight terminals and splices. Consult TE for custom configurations.

## APPLICATIONS

- Commercial Aircraft
- Unmanned Aerial Vehicles
- Primary Power Feeders
- Grounding Systems

## MATERIALS

- **Base Material:** Aluminum
- **Finish:** Tin over nickel plating

## PHYSICAL PROPERTIES

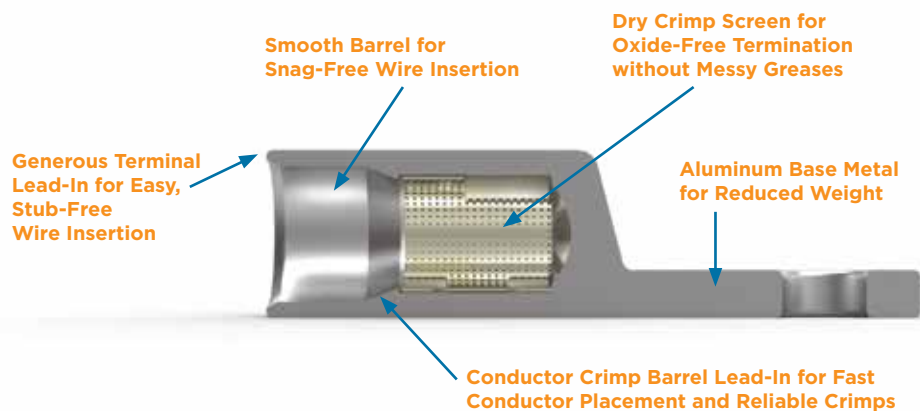
- **Temperature Rating:** 175°C
- **Sealed Crimp:** 80 psi
- **Salt Spray:** 500 hours

## STANDARDS AND TEST REPORT

- **Product Specification:** 108-32088
- **Application Specification:** 114-32098
- **Qualification Test Report:** 501-134033
- **Application Tooling Instruction Sheet:** 408-32087

## CABLE COMPATIBILITY

- BMS 13-60
- BMS 13-78
- ABS0949 (AD)
- ASNE0438 (YV)
- MIL-SPEC



[te.com/copalumlite](http://te.com/copalumlite)

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Consult TE for the latest dimensions and design specifications.

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