



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
SEACON Phoenix | LL Rowe | Phoenix Optix | AFP | SEACON

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

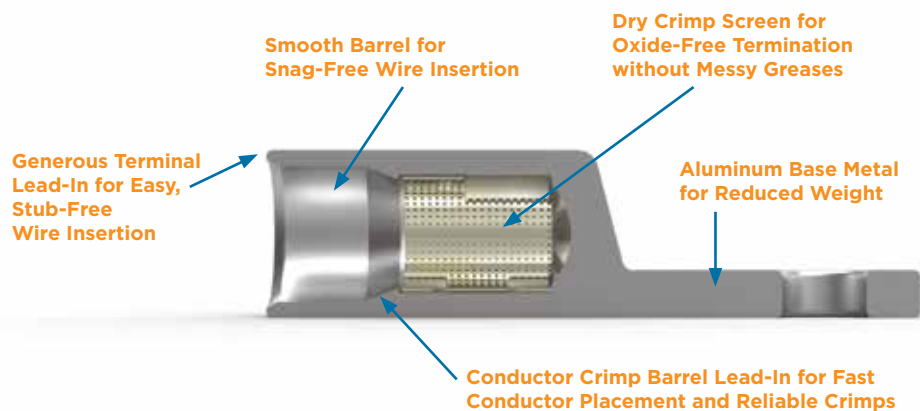
- **Temperature Rating:** 175°C
- **Sealed Crimp:** 80 psi
- **Salt Spray:** 500 hours

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

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Consult TE for the latest dimensions and design specifications.

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