

BGBS Aluminum Lay-in Lugs

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BURNDY[®] announces a new series of lay-in lugs - BGBS4 and BGBS5. Made of high strength aluminum alloy, these items can be used with copper or aluminum conductors. The connectors are for use with solar modules with a maximum thickness of 1/4 inches. Both are electro-tin plated and provided with stainless steel hardware.

The serrations establish better contact and cut through oxidation, ensuring low contact resistance and high conductivity. The anodization on aluminum rails is nonconductive and electrical current cannot pass through this layer; the cup point screw penetrates this layer allowing current to flow into the aluminum connector and consequently current flows to the conductor.

These connectors are UL467 and UL2703 Listed for use with copper cables of size 14 AWG - 6 AWG and aluminum cables 12 AWG - 6 AWG; stranded or solid. The connectors are also available in bulk.

Useful Links

Product Information

- [BGBS Aluminum Lay-in Lugs – Introduction Document](#)
- [BGBS Aluminum Lay-in Lugs – Press Release](#)
- [BGBS Aluminum Lay-in Lugs – Cutsheet](#)
- [BGBS Aluminum Lay-in Lugs – Features & Benefits](#)

Markets & Applications

- Solar Panels (Residential and Commercial)
- Power Plants (Solar)
- Construction
- Grounding

Features and Benefits

- Made of high strength aluminum alloy
- Electro-Tin plated
- Stainless steel hardware
- Cup point screw that penetrates anodization
- Lay-in feature
- Conductor size - Copper: 14 AWG - 6 AWG STR./SOL.
- Conductor Size - Aluminum: 12 AWG - 6 AWG STR./SOL.
- Serrations in conductor wire way cuts through oxidation
- For applications with 1/4 inch thick solar panels and other flat steel structures
- UL467 Listed for Grounding and Bonding
- UL2703 Listed