

## Aluminum Cables

### Application

Aluminum cables are suitable for lightweight wiring harness. It is possible to offer max. 40 percent weight reduction compared to copper cables.

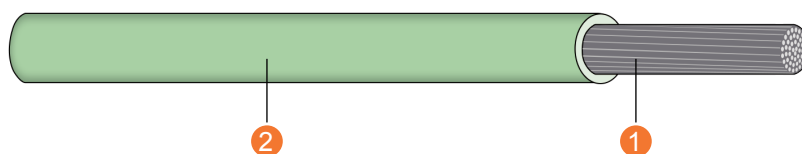
Aluminum cables are applied to battery, door, roof compartment.

The overall diameter of aluminum cable is larger than the diameter of copper cable in order to meet the same current capacity.

So UEcables designed aluminum cables in consideration outer diameter's size and flexibility for wiring harness space and lay out.

### Standards/Specification

ISO 6722-2, JASO D 603, HKMC ES 91110-09



### Construction

- ① Conductor: Pure Aluminum or Aluminum alloy
- ② Insulation: Vinyl or Cross-linked Polyethylene

### Technical Data

	Pure Aluminum	Aluminum Alloy	Copper
Density	2.7	2.75	8.89
Electrical conductivity	61.5% ACS	58% ACS	100%% IACS
Tensile strength	70-120 Mb	90-140 Mb	≥200Mb
Elongation at break	≥26%	≥10%	≥16%