

Automotive parts — Automotive cables —

Part 4: Low-voltage aluminium conductor cables

Introduction

This standard is Part 4 of the group of **JASO D625** standards that are newly established by integrating **JASO D603:2016** (product standard) and **JASO D618:2013** (test standard), and is intended to select applicable cables and specify the performance requirements.

1. Scope

This standard specifies unscreened single-core low-voltage cables with conductors made of aluminium or aluminium alloy to be used for automobiles (hereinafter referred to as "cables").

This standard also applies to individual cores in multi-core cables.

The rated voltages of the cables shall be 30 V AC and 60 V DC.

2. Normative reference

The following standards, when referred to in this standard, constitute a part of the specifications of this standard. As required, the most recently updated version of the applicable standard (including addenda) shall be applied.

JASO D625-2	Automotive parts - Automotive cables - Part 2: Test methods
JIS C3001	Resistance of Copper Materials for Electrical Purposes
JIS C3002	Testing Methods of Electrical Copper and Aluminium Wires

3. Cable types, names, symbols, and insulation materials

The cable types, heat resistance classes, names, symbols, insulation materials, and structures are as shown in **Table 1**.

4. Performance

The performance of the cables shall be as specified in **Tables 2** and **3**.

Note that the performance with different cable types and nominal sizes shall be as specified in **Tables 4** to **8**.