

Automotive parts — Automotive cables — Part 5: High-voltage copper conductor cables

1 Scope

This standard specifies the structures and performance requirements of shielded and unshielded single- or multi-core high-voltage copper conductor cables used in automobiles.

This standard applies to high-voltage copper conductor cables with AC voltage between more than 30 V and 600 V or less, or DC voltage between more than 60 V and 750 V or less.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

JASO D 625-2	Automotive parts — Automotive cables — Part 2: Test methods
JIS C 3102	Annealed Copper Wires for Electrical Purposes
JIS C 3152	Tin Coated Annealed Copper Wires

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

The cable types, heat resistance classes, names, symbols, the insulation and sheath materials and structures are shown in **Table 1** and **Table 2**.

4 Performance

Cable performance requirements shall be as described in **Table 3** and **Table 4**.

In addition, the performance by different cable types and nominal sizes shall be as specified in **Table 5** to **Table 10**.