



JAPANESE STANDARD VEHICLE WIRE

JASO D611

8 orderable sizes

|                                              |                                                       |                                                                  |
|----------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------|
| STANDARD<br>JASO D611                        | VOLTAGE CLASS<br>60 V automotive low-voltage circuits | TEMPERATURE CLASS<br>-40 °C to +80 °C typical class              |
| CONDUCTOR<br>Bare or tinned copper conductor | INSULATION / JACKET<br>PVC insulation                 | CROSS-SECTION RANGE<br>0.35 mm <sup>2</sup> to 6 mm <sup>2</sup> |

Construction

- 1  Conductor – Bare or tinned copper conductor · 30 × Ø0.25 mm
- 2  Insulation – PVC · Wall 0.50 mm

Size selection — all available cross-sections

| Cable reference         | Cross-section        | No. and dia. of wires | Conductor dia. max. (mm) | Max DC resistance at 20 °C (Ω/km) | Insulation min. wall (mm) | Overall diameter approx. (mm) | Approx. cable weight (kg/km) |
|-------------------------|----------------------|-----------------------|--------------------------|-----------------------------------|---------------------------|-------------------------------|------------------------------|
| AV 0.35 mm <sup>2</sup> | 0.35 mm <sup>2</sup> | 12/0.20               | 0.77                     | 52.0                              | 0.40                      | 1.57                          | 5.3                          |
| AV 0.5 mm <sup>2</sup>  | 0.5 mm <sup>2</sup>  | 16/0.20               | 0.92                     | 37.1                              | 0.40                      | 1.72                          | 7.0                          |
| AV 0.75 mm <sup>2</sup> | 0.75 mm <sup>2</sup> | 24/0.20               | 1.12                     | 24.7                              | 0.40                      | 1.92                          | 9.7                          |
| AV 1.0 mm <sup>2</sup>  | 1.0 mm <sup>2</sup>  | 32/0.20               | 1.30                     | 18.5                              | 0.40                      | 2.10                          | 12.3                         |
| AV 1.5 mm <sup>2</sup>  | 1.5 mm <sup>2</sup>  | 30/0.25               | 1.59                     | 12.7                              | 0.50                      | 2.59                          | 18.6                         |
| AV 2.5 mm <sup>2</sup>  | 2.5 mm <sup>2</sup>  | 50/0.25               | 2.05                     | 7.6                               | 0.50                      | 3.05                          | 28.9                         |
| AV 4 mm <sup>2</sup>    | 4 mm <sup>2</sup>    | Fine stranded Cu      | 2.60                     | 4.7                               | 0.50                      | 3.60                          | 44.3                         |
| AV 6 mm <sup>2</sup>    |                      |                       |                          |                                   |                           |                               |                              |
| AV 6 mm <sup>2</sup>    | 6 mm <sup>2</sup>    | 84/0.30               | 3.18                     | 3.1                               | 0.50                      | 4.18                          | 64.1                         |