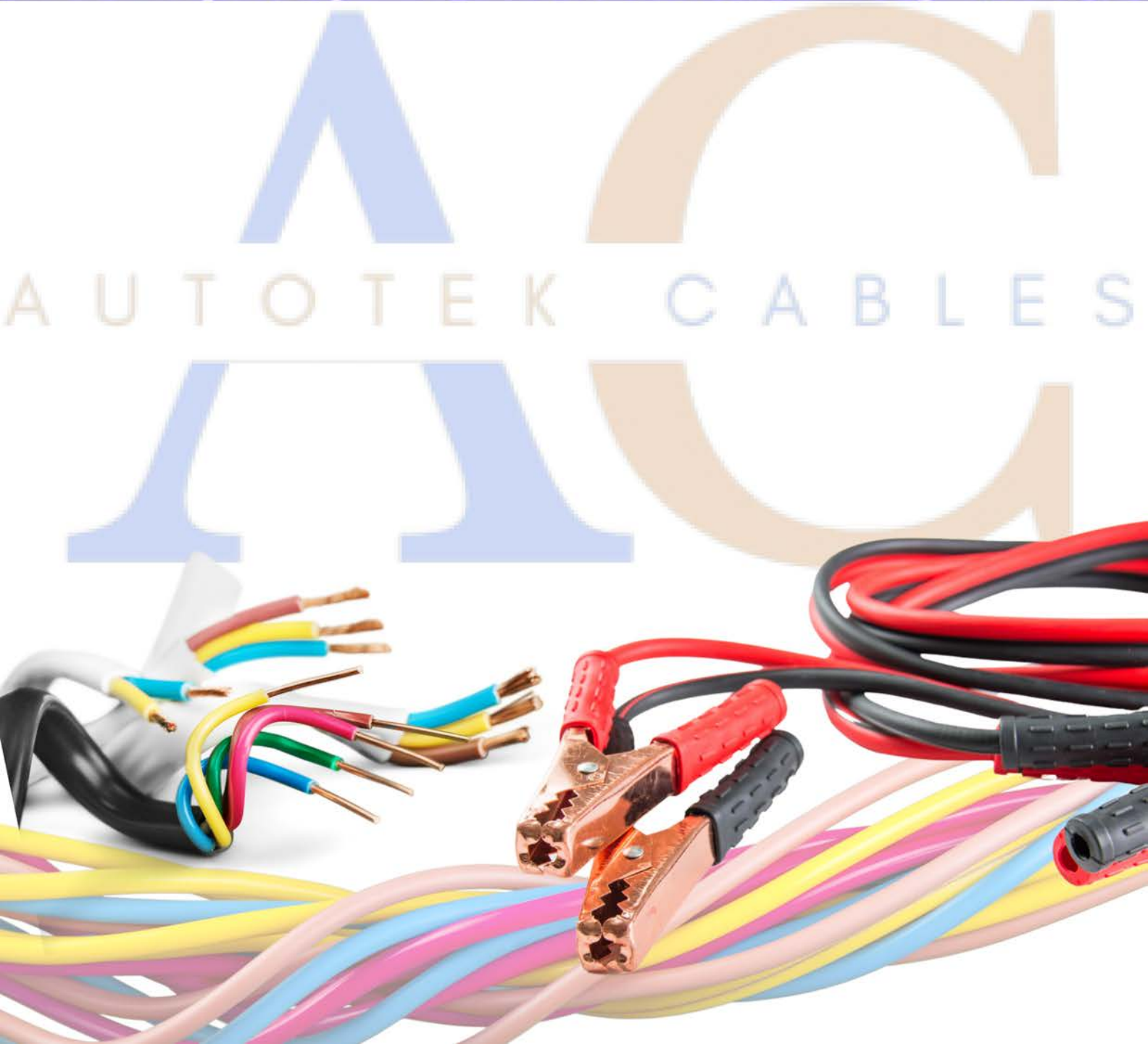


Automotive Cables



Auto & Battery Cables - IS:2465

Applications

These cables are used in wiring different circuits of automobiles and in the complete automotive wiring harnesses. We also manufacture the Battery cable harnesses soldered / crimped for ready use by automobile manufacturer.

| Single Core PVC Insulated Auto Cables as per IS : 2465/1984 | | | | |
|---|---------------|--|---------------------------------|---------------------------------|
| Conductor Nominal Area "sq. mm" | No.Of Wire/mm | Radial Thickness of Insulation (Nom.) "mm" | Overall Diameter (approx.) "mm" | Cables Parameters Current "Amp" |
| 0.50 | 7/0.30 | 0.60 | 2.15 | 4 |
| 0.75 | 11/0.30 | 0.60 | 2.45 | 7 |
| 1.00 | 15/0.30 | 0.70 | 2.70 | 11 |
| 1.50 | 22/0.30 | 0.70 | 3.00 | 14 |
| 2.50 | 36/0.30 | 0.70 | 3.65 | 19 |
| 4.00 | 56/0.30 | 0.80 | 4.30 | 26 |
| 6.00 | 84/0.30 | 0.80 | 5.20 | 31 |
| 10.0 | 140/0.30 | 1.00 | 6.60 | 42 |

| PVC Insulated Battery Cables as per IS : 2465/1984 | | | | |
|--|---------------|--|---------------------------------|---------------------------------|
| Conductor Nominal Area sq. "mm" | No.Of Wire/mm | Radial Thickness of Insulation (Nom.) "mm" | Overall Diameter (approx.) "mm" | Cables Parameters Current "Amp" |
| 16 | 126/0.40 | 1.00 | 7.80 | 57 |
| 25 | 196/0.40 | 1.20 | 9.70 | 71 |
| 35 | 276/0.40 | 1.20 | 10.9 | 91 |
| 50 | 396/0.40 | 1.40 | 13.2 | 120 |
| 70 | 360/0.50 | 1.40 | 15.3 | 165 |
| 95 | 475/0.50 | 1.60 | 17.9 | 200 |
| 120 | 608/0.50 | 1.60 | 19.4 | 225 |
| 150 | 750/0.50 | 1.80 | 21.9 | 250 |
| 185 | 925/0.50 | 2.00 | 24.5 | 300 |
| 240 | 1221/0.50 | 2.20 | 28.0 | 425 |

Features

We Manufacture Cables from bright, soft annealed 99.97% pure bare Copper conductors, which offer low conductor resistance and high flexibility. These are insulated with a special grade PVC compound that is FR Grade, Low Smoke and impervious to water, oil and acids etc.

Technical Data

Temperature : - 15 to + 70 Degree Celcius
range Sizes : 0.50 to 240 "sq.mm"

Auto & Battery Cables - DIN CABLES – FLRY-B

Applications

These wires used for low voltage circuit in automobiles such as Scooters, Car and Motor cycles.

Features

These wires are concentric bunched copper conductor, Excellent Flexibility, ROHS compliance etc.



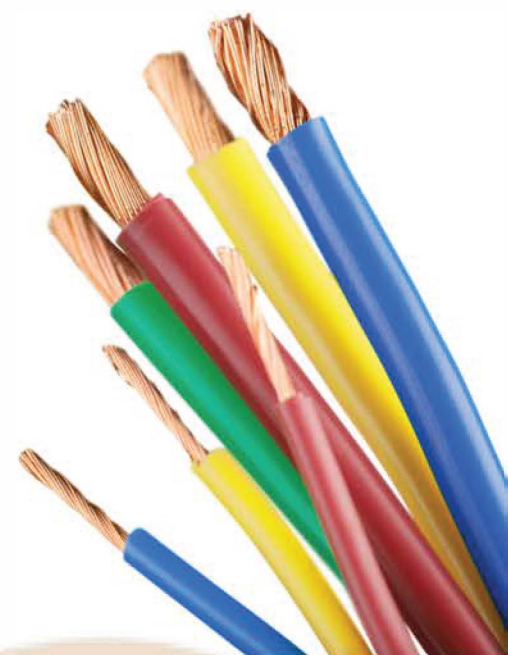
| Specification Standard: DIN 72551 / 1996 FLRY-B | | | | | |
|---|-------------------|--------------------|-----------------------------------|-------------------------------|--------------------------------|
| Size | Conductor Strands | Conductor Diameter | Conductor Resistance 20°C(Max) | Insulation Thickness (Min) | Overall Diameter (Standard) |
| mm² | No./mm | mm | Ω/km | mm | mm |
| 0.35 | 12/0.21 | 0.90 | 52.0 | 0.20 | 1.40 |
| 0.50 | 16/0.21 | 1.00 | 37.10 | 0.22 | 1.60 |
| 0.75 | 24/0.21 | 1.20 | 24.7 | 0.24 | 1.90 |
| 1.00 | 32/0.21 | 1.35 | 18.5 | 0.24 | 2.10 |
| 1.50 | 30/0.26 | 1.70 | 12.7 | 0.24 | 2.40 |
| 2.50 | 50/0.26 | 2.20 | 7.6 | 0.28 | 3.00 |
| 4.00 | 56/0.31 | 2.75 | 4.7 | 0.32 | 3.70 |
| 6.00 | 84/0.31 | 3.30 | 3.10 | 0.32 | 4.30 |
| 10.0 | 80/0.41 | 4.55 | 1.82 | 0.60 | 6.00 |
| 15.0 | 182/0.32 | - | 1.30 | 0.80 | 7.40 |
| 16.0 | 126/0.41 | - | 1.16 | 0.80 | 7.70 |
| 20.0 | 248/0.32 | - | 0.887 | 1.10 | 8.80 |

Low Voltage Automobile Wires – AV (A=Low Voltage / Low Tension, V= PVC Insulation)

Applications : These wires are used in low voltage circuit of automobiles such a Car, Scooter and Motor cycles.

Features : Best suited for use in lighting, Signals, starting, charging etc. Where the high flexibility, Thermal and mechanical strength required.

Specification Standard: JIS C3406



| Size | Conductor Strands | Conductor Diameter | Conductor Resistance 20 Deg C (Max) | Insulation Thickness (Min) | Overall Diameter (Standard) | Current Limit |
|-----------------|-------------------|--------------------|-------------------------------------|----------------------------|-----------------------------|---------------|
| mm ² | No./mm | mm | Ω/km | mm | mm | Amps |
| 0.5 | 7/0.32 | 1.0 | 32.7 | 0.6 | 2.2 | 12 |
| 0.85 | 11/0.32 | 1.2 | 20.8 | 0.6 | 2.4 | 16 |
| 1.25 | 16/0.32 | 1.5 | 14.3 | 0.6 | 2.7 | 21 |
| 2 | 26/0.32 | 1.9 | 8.81 | 0.6 | 3.1 | 28 |
| 3 | 41/0.32 | 2.4 | 5.59 | 0.7 | 3.8 | 38 |
| 5 | 65/0.32 | 3.0 | 3.52 | 0.8 | 4.6 | 51 |
| 8 | 50/0.45 | 3.7 | 2.32 | 0.9 | 5.5 | 66 |
| | | | | | | |
| 0.5f | 20/0.18 | 1.0 | 36.7 | 0.6 | 2.2 | 12 |
| 0.75f | 30/0.18 | 1.2 | 24.4 | 0.6 | 2.4 | 15 |
| 1.25f | 50/0.18 | 1.5 | 14.7 | 0.6 | 2.7 | 21 |
| 2f | 37/0.26 | 1.8 | 9.50 | 0.6 | 3.0 | 28 |
| 3f | 61/0.26 | 2.4 | 5.76 | 0.7 | 3.8 | 38 |

The "f" in the nominal size column indicates a flexible conductor with a finer wire diameter.

The current limit data is for conductor temperature of 80 Deg C (maximum allowable temperature) and an ambient temperature of 40 Deg C.

Thin Low-Voltage Automobile Wires–AVS (A=Low-Voltage / Low Tension, V=PVC Coated, S=Thin)

Applications

These wires used low voltage circuit in automobiles such a Scooters, Cars and Motor cycles.

Features:

These wires constructed thinner than AV wires, for light weight and thinner space.

Specification Standard: JASO D611-94

| Size | Conductor Strands | Conductor Diameter | Conductor Resistance 20 Deg C | Insulation Thickness | Overall Diameter (Standard) | Current Limit |
|-----------------|-------------------|--------------------|-------------------------------|----------------------|-----------------------------|---------------|
| mm ² | No./mm | mm | Ω/km | mm | mm | Amps |
| 0.3f | 15/0.18 | 0.8 | 48.9 | 0.5 | 1.8 | 9 |
| 0.3 | 7/0.26 | 0.8 | 50.2 | 0.5 | 1.8 | 9 |
| 0.5 | 7/0.32 | 1.0 | 32.7 | 0.5 | 2.0 | 12 |
| 0.85 | 11/0.32 | 1.2 | 20.8 | 0.5 | 2.2 | 16 |
| 1.25 | 16/0.32 | 1.5 | 14.3 | 0.5 | 2.5 | 20 |
| 2 | 26/0.32 | 1.9 | 8.81 | 0.5 | 2.9 | 27 |
| 3 | 41/0.32 | 2.4 | 5.59 | 0.6 | 3.6 | 37 |
| 5 | 65/0.32 | 3.0 | 3.52 | 0.7 | 4.4 | 50 |

The "f" in the nominal size column indicates a flexible conductor with a finer wire diameter.

The current limit data is for conductor temperature of 80 Deg C (maximum allowable temperature) and an ambient temperature of 40 Deg.C.

Super Thin Low-Voltage Wires for Automobile–AVSS

(A=Low-Voltage / Low Tension, V=PVC Coated SS=Super Thin)

Specification Standard: JASO D611-94

| Size | Conductor Strands | Conductor Diameter | Conductor Resistance 20 Deg C | Insulation Thickness | Overall Diameter (Standard) | Current Limit |
|-----------------|-------------------|--------------------|-------------------------------|----------------------|-----------------------------|---------------|
| mm ² | No./mm | mm | Ω/km | mm | mm | Amps |
| 0.3 | 7/0.26 | 0.8 | 50.2 | 0.3 | 1.4 | 8 |
| 0.5 | 7/0.32 | 1.0 | 32.7 | 0.3 | 1.6 | 11 |
| 0.85 | 19/0.24 | 1.2 | 21.7 | 0.3 | 1.8 | 14 |
| 1.25 | 19/0.29 | 1.5 | 14.9 | 0.3 | 2.1 | 19 |
| 2.00 | 19/0.37 | 1.8 | 9.00 | 0.4 | 2.7 | 26 |
| 2(f) | 37/0.26 | 1.8 | 9.50 | 0.4 | 2.7 | 26 |

The "f" in the nominal size column indicates a flexible conductor with a finer wire diameter.

The current limit data is for conductor temperature of 80 Deg C (maximum allowable temperature) and an ambient temperature of 40 Deg.C.

Applications

These wires used low voltage circuit in automobiles such a Car, Scooters and Motor cycles.

Features:

These wires constructed still thinner than type AVS wires, for light weight and thinner diameter.





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