



Automobile & Earth Mover Vehicles



AUTOMOBILE WIRING CABLES

ELECTRICAL & ELECTRONIC CIRCUITS OF AUTOMOBILES



PARAS WIRES QUALITY MANAGEMENT

With our quality management, we meet the extraordinarily high demands of our customers from the automobile industry. The wire and cable production locations of Paras Wires are certified in accordance with ISO 9001:2015; all locations in which automotive cables are produced are certified in accordance with IATF 16949:2015. We place extreme importance on preventative quality assurance, whereby error prevention instrumentation, such as FMEA or machine and process capability analyses are firmly rooted. During the production process, we continuously measure, monitor and regulate the diameter and properties of the insulation of our cables and lines with the latest systems. Through regular random testing, the production testing assures adherence to the requisite thresholds. These tests in the immediate production area guarantee a quick reaction to disturbances.

In accordance with customer specifications and/or domestic and international rules and regulations, we test the following, among other things:

- the behaviour of the cables and lines under extreme temperature conditions
- functionality after artificial ageing
- resistance to fuels, lubricants and environmental influences expansion, abrasion and tear-resistance of the insulating sleeve
- mechanical and electrical properties of the conductor
- bending and torsional resistance





The interplay of these quality assurance measures enables continuous optimisation of our ambitious quality goals.

FLRY TYPE-A/TYPE-B WIRES





STANDARDS

ISO 6722 CLASS B
DIN 72551-6
DIN EN 13602

PROPERTIES

-  ROHS & REACH compliance
-  acids, oils, alkalis and moisture resistant
-  good abrasion resistance
-  Fire retardant

TECHNICAL SPECIFICATIONS

-  **Conductor**
Annealed bare/tin coated copper
-  **Insulation Resistance**
>10MΩ/km
-  **Voltage Rating**
60V
-  **Temperature Rating**
-40°C to +105 °C

INSULATION COLOURS

- | | |
|--|--|
|  Red |  Yellow |
|  Brown |  Violet |
|  Grey |  Pink |
|  White |  Black |
|  Green |  Blue |
|  Orange |  Yellow/Green |

Paras Wires PVT LTD FLRY-A/B Wires



ABOUT FLRY TYPE-A/TYPE-B

Low-tension electric wire for Automobiles. Used in Motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits. Flexible conductors with thin wall insulation.

APPLICATIONS

Used in Motorcycles and other motor vehicles for starter, charging, lighting, signal and instrument panel circuits.

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: PVC ROHS & REACH Compliant

DIMENSION DETAILS:

FLRY TYPE A				
SL. No	Size In mm ²	Type of conductor	Size of conductor (mm)	Insulation OD(nom) (mm)
1	0.22	ABC/ATC	7/0.2	1.20
2	0.35	ABC/ATC	7/0.254	1.38
3	0.5	ABC/ATC	19/0.19	1.55
4	0.75	ABC/ATC	24/0.2	1.8
5	1	ABC/ATC	19/0.254	2
6	1.5	ABC/ATC	30/0.254	2.3
7	2.5	ABC/ATC	50/0.254	2.85

FLRY TYPE B				
SL. No	Size In mm ²	Type of conductor	Size of conductor (mm)	Insulation OD(nom) (mm)
1	0.35	ABC/ATC	12/0.2	1.4
2	0.5	ABC/ATC	16/0.2	1.55
3	0.75	ABC/ATC	24/0.2	1.8
4	1	ABC/ATC	32/0.2	2
5	1.5	ABC/ATC	30/0.254	2.3
6	2	ABC/ATC	28/0.3	2.8
7	2.5	ABC/ATC	50/0.254	3
8	4	ABC/ATC	56/0.3	3.6
9	5	ABC/ATC	65/0.3	4
10	6	ABC/ATC	84/0.3	4.2
11	8	ABC/ATC	98/0.32	5
12	10	ABC/ATC	80/0.4	5.8
13	12	ABC/ATC	96/0.4	6.5
14	16	ABC/ATC	126/0.4	7
15	20	ABC/ATC	152/0.4	7.8
16	25	ABC/ATC	196/0.4	8.7

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ISO 6722 CLASS C WIRES





STANDARDS

ISO 6722 CLASS C

PROPERTIES

-  ROHS & REACH compliance
-  acids, oils, alkalis and moisture resistant
-  good abrasion resistance
-  Fire retardant

TECHNICAL SPECIFICATIONS

-  **Conductor**
Annealed bare/tin coated copper
-  **Insulation Resistance**
>10MΩ/km
-  **Voltage Rating**
60V – 600V
-  **Temperature Rating**
-40°C to +125 °C

INSULATION COLOURS

- | | |
|--|--|
|  Red |  Yellow |
|  Brown |  Violet |
|  Grey |  Pink |
|  White |  Black |
|  Green |  Blue |
|  Orange |  Yellow/Green |

Paras Wires PVT LTD ISO 6722-C Wires



ABOUT ISO 6722 CLASS-C WIRES

Wires used in low voltage circuits in such as starting, charging, lighting signal and instrument panel circuits. Very good abrasion resistance. Compatible with complete range of automotive fluids. Compatible with hi-tech harness equipment such as high-speed cutting stripping machines and ultrasonic welding.

APPLICATIONS

Any critical application that requires temperature rating greater than 105°C.
Magneto wiring systems.
Lamp wiring systems.
Gear Shift Indicator wiring systems.

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: TPE ROHS & REACH Compliant

DIMENSION DETAILS:

SL. No	Size In mm ²	Type of conductor	Size of conductor (mm)	Insulation OD(nom) (mm)
1	0.35	ABC/ATC	19/0.15	1.4
2	0.5	ABC/ATC	19/0.19	1.55
3	0.75	ABC/ATC	24/0.2	1.8
4	1	ABC/ATC	32/0.2	2
5	1.5	ABC/ATC	30/0.254	2.3
6	2	ABC/ATC	28/0.3	2.8
7	2.5	ABC/ATC	50/0.254	3
8	4	ABC/ATC	56/0.3	3.6
9	5	ABC/ATC	65/0.3	4
10	6	ABC/ATC	84/0.3	4.2
11	8	ABC/ATC	98/0.32	5
12	10	ABC/ATC	80/0.4	5.8
13	12	ABC/ATC	96/0.4	6.5
14	16	ABC/ATC	126/0.4	7
15	20	ABC/ATC	152/0.4	7.8
16	25	ABC/ATC	196/0.4	8.7

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ISO 6722 CLASS D WIRES





STANDARDS

ISO 6722 CLASS D

PROPERTIES

-  ROHS & REACH compliance
-  acids, oils, alkalis and moisture resistant
-  good abrasion resistance
-  Fire retardant

TECHNICAL SPECIFICATIONS

-  **Conductor**
Annealed bare/tin coated copper
-  **Insulation Resistance**
>10MΩ/km
-  **Voltage Rating**
60V – 600V
-  **Temperature Rating**
-40°C to +150 °C

INSULATION COLOURS

- | | |
|--|--|
|  Red |  Yellow |
|  Brown |  Violet |
|  Grey |  Pink |
|  White |  Black |
|  Green |  Blue |
|  Orange |  Yellow/Green |

Paras Wires PVT LTD ISO 6722-D Wires



ABOUT ISO 6722 CLASS-D WIRES

Suitable for use directly in high temperature areas without use of additional protection or heat shields due to excellent thermal and mechanical properties at high temperature. Compatible with complete range of automotive fluids

APPLICATIONS

- Any critical application that requires temperature rating greater than 125°C.
- Engine management systems.
- Engine compartment wiring systems.
- Magneto wiring systems.
- Lamp wiring systems.
- Gear Shift Indicator wiring systems.
- Ignition Coil Wiring systems.

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: TPE-E ROHS & REACH Compliant

DIMENSION DETAILS:

SL. No	Size In mm ²	Type of conductor	Size of conductor (mm)	Insulation OD(nom) (mm)
1	0.35	ABC/ATC	19/0.15	1.4
2	0.5	ABC/ATC	19/0.19	1.55
3	0.75	ABC/ATC	24/0.2	1.8
4	1	ABC/ATC	32/0.2	2
5	1.5	ABC/ATC	30/0.254	2.3
6	2	ABC/ATC	28/0.3	2.8
7	2.5	ABC/ATC	50/0.254	3
8	4	ABC/ATC	56/0.3	3.6
9	5	ABC/ATC	65/0.3	4
10	6	ABC/ATC	84/0.3	4.2
11	8	ABC/ATC	98/0.32	5
12	10	ABC/ATC	80/0.4	5.8
13	12	ABC/ATC	96/0.4	6.5
14	16	ABC/ATC	126/0.4	7
15	20	ABC/ATC	152/0.4	7.8
16	25	ABC/ATC	196/0.4	8.7

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ISO 6722 CLASS E & F WIRES





STANDARDS

ISO 6722 CLASS E & F

PROPERTIES

-  ROHS & REACH compliance
-  acids, oils, alkalis and moisture resistant
-  good abrasion resistance
-  Fire retardant

TECHNICAL SPECIFICATIONS

-  Conductor
Annealed bare copper
-  Insulation Resistance
>10MΩ/km
-  Voltage Rating
60V – 600V
-  Temperature Rating
-40°C to +200 °C

INSULATION COLOURS

-  Red
-  Black
-  White
-  Blue
-  Green

Paras Wires PVT LTD ISO 6722-E & F Wires



ABOUT ISO 6722 CLASS-E & F WIRES

Suitable for use directly in high temperature areas without use of additional protection or heat shields due to excellent thermal and mechanical properties at high temperature. Compatible with complete range of automotive fluids

APPLICATIONS

Any critical application that requires temperature rating greater than 180°C.

- Engine management systems.
- Engine compartment wiring systems.
- Magneto wiring systems.
- Lamp wiring systems.
- Gear Shift Indicator wiring systems.
- Ignition Coil Wiring systems.

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: ETFE & FEP ROHS & REACH Compliant

DIMENSION DETAILS:

SL. No	Size In mm ²	Type of conductor	Size of conductor (mm)	Insulation OD(nom) (mm)
1	0.35	ABC	19/0.15	1.25
2	0.5	ABC	19/0.19	1.5
3	0.75	ABC	24/0.2	1.8
4	1	ABC	32/0.2	2
5	1.5	ABC	30/0.254	2.3
6	2	ABC	28/0.3	2.8
7	2.5	ABC	50/0.254	3
8	4	ABC	56/0.3	3.6
9	5	ABC	65/0.3	4
10	6	ABC	84/0.3	4.2

For More Details Contact Us At

AUTOMOBILE WIRING CABLES

ELECTRICAL & ELECTRONIC CIRCUITS OF AUTOMOBILES




TXL WIRES

STANDARDS


TXL

PROPERTIES


 ROHS & REACH compliance


 acids, oils, alkalis and moisture resistant


 good abrasion resistance


 Fire retardant, halogen free & low smoke

TECHNICAL SPECIFICATIONS

 Conductor
Annealed bare copper

 Insulation Resistance
>10MΩ/km

 Voltage Rating
1000V

 Temperature Rating
-40°C to +125 °C

INSULATION COLOURS

Red	Yellow
Brown	Violet
Grey	Pink
White	Black
Green	Blue
Orange	Yellow/Green

Paras Wires PVT LTD TXL Wires



ABOUT TXL WIRES

Wires used in low voltage circuits in such as starting, charging, lighting signal and instrument panel circuits. Very good abrasion resistance. Compatible with complete range of automotive fluids. Compatible with hi-tech harness equipment such as high-speed cutting stripping machines and ultrasonic welding.

APPLICATIONS

- Wire harness of low-tension electric circuits for automobiles.
- Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- Especially used for circuits requiring heat resistance

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: XLPO ROHS & REACH Compliant

DIMENSION DETAILS:

Conductor					Insulation diameter	
AWG	mm ²	Material	No.of wires (Strands)	Wire diameter (in mm)	in mm	
24AWG	0.22	ABC	7	0.2	1.41	
22AWG	0.35	ABC	7	0.254	1.57	
	0.5	ABC	7	0.3	1.71	
20AWG	0.6	ABC	19	0.2	1.80	
18AWG	0.8	ABC	16	0.254	1.97	
	1	ABC	19	0.254	2.07	
16AWG	1.25	ABC	19	0.29	2.25	
14AWG	2	ABC	19	0.36	2.60	
12AWG	3	ABC	19	0.45	3.16	
10AWG	5	ABC	19	0.57	3.86	
8AWG	8	ABC	19	0.71	4.66	

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GXL WIRES





Paras Wires PVT LTD GXL Wires







STANDARDS

GXL

PROPERTIES

-  ROHS & REACH compliance
-  acids, oils, alkalis and moisture resistant
-  good abrasion resistance
-  Fire retardant, halogen free & low smoke

TECHNICAL SPECIFICATIONS

-  Conductor
Annealed bare copper
-  Insulation Resistance
>10MΩ/km
-  Voltage Rating
1000V
-  Temperature Rating
-40°C to +125 °C

ABOUT GXL WIRES

GXL wire is a specific type of wiring that is used for automotive primary wiring. Our GXL wire has thin walls along with a single conductor to make it one of the thinner primary wiring solutions that is great for automotive applications. The bare-copper wire conductor is wrapped with cross-linked polyethylene and allows for 50 volts. Its slender proportions make it incredibly viable in engine compartments. Another great attribute for this wiring in engine compartments are its heat ratings, which is for between -51 degrees Celsius and +125 degrees Celsius. This means that the wire is great where high heat resistance is required, but also outstanding where there are very low temperatures.

APPLICATIONS

- Wire harness of low-tension electric circuits for automobiles.
- Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- Especially used for circuits requiring heat resistance

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: XLPO ROHS & REACH Compliant

DIMENSION DETAILS:

Conductor				Insulation diameter	
AWG	in mm ²	Material	No.of wires (Strands)	Wire diameter (in mm)	in mm
	0.5	ABC	7	0.3	2.07
20AWG	0.6	ABC	19	0.2	2.16
18AWG	0.8	ABC	16	0.254	2.33
	1	ABC	19	0.254	2.43
16AWG	1.25	ABC	19	0.29	2.61
14AWG	2	ABC	19	0.36	2.96
12AWG	3	ABC	19	0.45	3.58
10AWG	5	ABC	19	0.57	4.44
8AWG	8	ABC	19	0.71	5.44

INSULATION COLOURS

- Red ● Yellow
- Brown ● Violet
- Grey ● Pink
- White ● Black
- Green ● Blue
- Orange ● Yellow/Green

For More Details Contact Us At



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SXL WIRES





Paras Wires PVT LTD SXL Wires




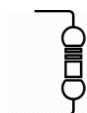


STANDARDS

SXL

PROPERTIES

-  ROHS & REACH compliance
-  acids, oils, alkalis and moisture resistant
-  good abrasion resistance
-  Fire retardant, halogen free & low smoke

TECHNICAL SPECIFICATIONS

-  Conductor
Annealed bare copper
-  Insulation Resistance
>10MΩ/km
-  Voltage Rating
1000V
-  Temperature Rating
-40°C to +125 °C

ABOUT SXL WIRES

SXL wire is a type of automotive primary wire. It contains a bare copper conductor that is rated for 50 volts and a Cross-Linked Polyethylene (XLPE) insulation that provides a temperature rating of -51°C to 125°C. At Allied Wire & Cable, we carry SXL in sizes ranging from 8 AWG to 20 AWG. Since SXL wire can handle high heat, it is rated by SAE J-1128 to be used in engine compartments. It also meets the specifications to be used for Ford and Chrysler vehicles. We provide multiple value-added services for SXL wire including custom printing, striping, twisting, cutting and stripping.

APPLICATIONS

- Used in engine compartments where higher heat resistance is required
- Wire harness of low-tension electric circuits for automobiles.
- Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- Especially used for circuits requiring heat resistance

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: XLPO ROHS & REACH Compliant

DIMENSION DETAILS:

Conductor		Insulation diameter			
AWG	in mm ²	Material	No. of wires (Strands)	Wire diameter (in mm)	in mm
	0.5	ABC	7	0.3	2.39
20AWG	0.6	ABC	19	0.2	2.48
18AWG	0.8	ABC	16	0.254	2.65
	1	ABC	19	0.254	2.75
16AWG	1.25	ABC	19	0.29	2.93
14AWG	2	ABC	19	0.36	3.60
12AWG	3	ABC	19	0.45	4.14
10AWG	5	ABC	19	0.57	5.06
8AWG	8	ABC	19	0.71	5.76

INSULATION COLOURS

- Red ● Yellow
- Brown ● Violet
- Grey ● Pink
- White ● Black
- Green ● Blue
- Orange ● Yellow/Green

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AV & AVS WIRES





STANDARDS

AV & AVS Wires

PROPERTIES

-  ROHS & REACH compliance
-  acids, oils, alkalis and moisture resistant
-  good abrasion resistance
-  Fire retardant

TECHNICAL SPECIFICATIONS

-  Conductor
Annealed bare copper
-  Insulation Resistance
>10MΩ/km
-  Voltage Rating
1000V
-  Temperature Rating
-40°C to +80°C

INSULATION COLOURS

- | | |
|--|--|
|  Red |  Yellow |
|  Brown |  Violet |
|  Grey |  Pink |
|  White |  Black |
|  Green |  Blue |
|  Orange |  Yellow/Green |

Paras Wires PVT LTD AV & AVS Wires



ABOUT AV & AVS WIRES

Wire harness of low-tension electric circuits for automobiles. Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

APPLICATIONS

- Wire harness of low-tension electric circuits for automobiles.
- Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- Especially used for circuits requiring heat resistance

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: PVC ROHS & REACH Compliant

DIMENSION DETAILS:

Conductor		Insulation diameter			
AWG	mm ²	Material	No. of wires (Strands)	Wire diameter (in mm)	in mm
22AWG	0.35	ABC	7	0.254	1.8
20AWG	0.5	ABC	7	0.32	2.0
18AWG	0.85	ABC	11	0.32	2.2
16AWG	1.25	ABC	16	0.32	2.5
14AWG	2	ABC	26	0.32	2.9
12AWG	3	ABC	41	0.32	3.6
10AWG	5	ABC	65	0.32	4.4
8AWG	8	ABC	50	0.45	5.3

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AVSS, AVSSC, AVSSB, CAV & CAVS WIRES





STANDARDS

AVSS, AVSSB, AVSSC, CAV & CAVS Wires

PROPERTIES

-  ROHS & REACH compliance
-  acids, oils, alkalis and moisture resistant
-  good abrasion resistance
-  Fire retardant

TECHNICAL SPECIFICATIONS

-  **Conductor**
Annealed bare copper (F stands for flexible copper)
-  **Insulation Resistance**
>10MΩ/km
-  **Voltage Rating**
300V
-  **Temperature Rating**
-40°C to +80°C

Paras Wires PVT LTD AVSS Wires



ABOUT AVSS WIRES

Wire harness of low-tension electric circuits for automobiles. Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits. AVSSC & AVSSB WIRES ARE AVSS wires with flexible conductors. All copper construction with 'F' in front of the sqmm are for AVSSC & AVSSB.

APPLICATIONS

- Wire harness of low-tension electric circuits for automobiles.
- Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- Especially used for circuits requiring heat resistance

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: PVC ROHS & REACH Compliant

DIMENSION DETAILS:

Conductor					Insulation diameter	
AWG	in mm ²	Material	No. of wires (Strands)	Wire diameter (in mm)	in mm	
22AWG	0.35	ABC	7	0.254	1.4	
20AWG	0.5	ABC	7	0.32	1.6	
18AWG	0.85	ABC	11	0.32	1.8	
16AWG	1.25	ABC	16	0.32	2.1	
14AWG	2	ABC	26	0.32	2.7	
22AWG	0.35F	ABC	19	0.16	1.4	
20AWG	0.5F	ABC	19	0.19	1.6	
18AWG	0.85F	ABC	19	0.23	1.8	
16AWG	1.25F	ABC	37	0.2	2.0	
14AWG	2F	ABC	37	0.254	2.6	

INSULATION COLOURS

- Red
- Yellow
- Brown
- Violet
- Grey
- Pink
- White
- Black
- Green
- Blue
- Orange
- Yellow/Green

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CAVUS & CIVUS WIRES





STANDARDS

CAVUS & CIVUS Wires

PROPERTIES

-  ROHS & REACH compliance
-  acids, oils, alkalis and moisture resistant
-  good abrasion resistance
-  Fire retardant

TECHNICAL SPECIFICATIONS

-  Conductor
Annealed bare copper
-  Insulation Resistance
>10MΩ/km
-  Voltage Rating
300V
-  Temperature Rating
-40°C to +80°C

INSULATION COLOURS

- Red ● Yellow
- Brown ● Violet
- Grey ● Pink
- White ● Black
- Green ● Blue
- Orange ● Yellow/Green

Paras Wires PVT LTD CAVUS Wires



ABOUT AVSS WIRES

Wire harness of low-tension electric circuits for automobiles. Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits. These are our ultra thin insulated wires.

APPLICATIONS

- Wire harness of low-tension electric circuits for automobiles.
- Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- Especially used for circuits requiring heat resistance

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: PVC ROHS & REACH Compliant

DIMENSION DETAILS:

Conductor		Insulation diameter			
AWG	in mm ²	Material	No. of wires (Strands)	Wire diameter (in mm)	in mm
24AWG	0.22	ABC	7	0.2	1.0
22AWG	0.35	ABC	7	0.254	1.2
20AWG	0.6	ABC	7	0.32	1.4
18AWG	0.8	ABC	11	0.32	1.6
16AWG	1.25	ABC	16	0.32	1.9

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JASO SPEC SHIELDED WIRES & CABLES


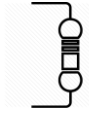


STANDARDS

JASO D611

PROPERTIES

-  ROHS & REACH compliance
-  acids, oils, alkalis and moisture resistant
-  good abrasion resistance
-  Fire retardant

TECHNICAL SPECIFICATIONS

-  Conductor
Annealed bare copper
-  Insulation Resistance
>10MΩ/km
-  Voltage Rating
300V
-  Temperature Rating
-40°C to +100°C

INSULATION COLOURS

- | | |
|--|--|
|  Red |  Yellow |
|  Brown |  Violet |
|  Grey |  Pink |
|  White |  Black |
|  Green |  Blue |
|  Orange |  Yellow/Green |

Paras Wires PVT LTD CAVUS Wires



ABOUT AVSS WIRES

Wire harness of low-tension electric circuits for automobiles. Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits. These are ultra thin insulated wires.

APPLICATIONS

- Wire harness of low-tension electric circuits for automobiles.
- Used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.
- Especially used for circuits requiring heat resistance

PRODUCT CONSTRUCTION

- Conductor: Stranded Annealed Bare Copper
- Insulation: PVC ROHS & REACH Compliant
- Shielding: Braiding with Annealed tin coated copper or Drain wire with Almylar tape
- Jacketing: PVC ROHS & REACH Compliant

JASO SPEC SHIELDED WIRES & CABLES

Conductor		Number of Strands	Diameter of each Strand in mm	Insulation Diameter in mm	Number of cores	Outer Sheath Diameter in mm	
AWG	sqmm					With Braiding Shielding	With Drainwire Shielding
22AWG	0.35	7	0.254	1.4	1	3.2	
22AWG	0.35	7	0.254	1.4	2	4.7	4.4
22AWG	0.35	7	0.254	1.4	3	5.2	4.8
22AWG	0.35	7	0.254	1.4	4	5.6	5.2
20AWG	0.5	7	0.32	1.6	1	3.4	
20AWG	0.5	7	0.32	1.6	2	5.3	4.8
20AWG	0.5	7	0.32	1.6	3	5.7	5.2
20AWG	0.5	7	0.32	1.6	4	6.2	5.7
20AWG	0.5F	19	0.193	1.6	1	3.4	
20AWG	0.5F	19	0.193	1.6	2	4.7	4.2
20AWG	0.5F	19	0.193	1.6	3	5.8	5.2
20AWG	0.5F	19	0.193	1.6	4	6.3	5.7
	0.75	24	0.2	1.7	2	6.1	5.5
	0.75	24	0.2	1.7	3	6.1	5.5
	0.75	24	0.2	1.7	4	6.7	6.1
18AWG	0.82	16	0.254	1.8	2	6.2	5.6
18AWG	0.82	16	0.254	1.8	3	6.2	5.6
18AWG	0.82	16	0.254	1.8	4	6.8	6.2
16AWG	1.32	16	0.32	2.3	2	7.3	6.7
16AWG	1.32	16	0.32	2.3	3	7.3	6.7
16AWG	1.32	16	0.32	2.3	4	8.1	7.5