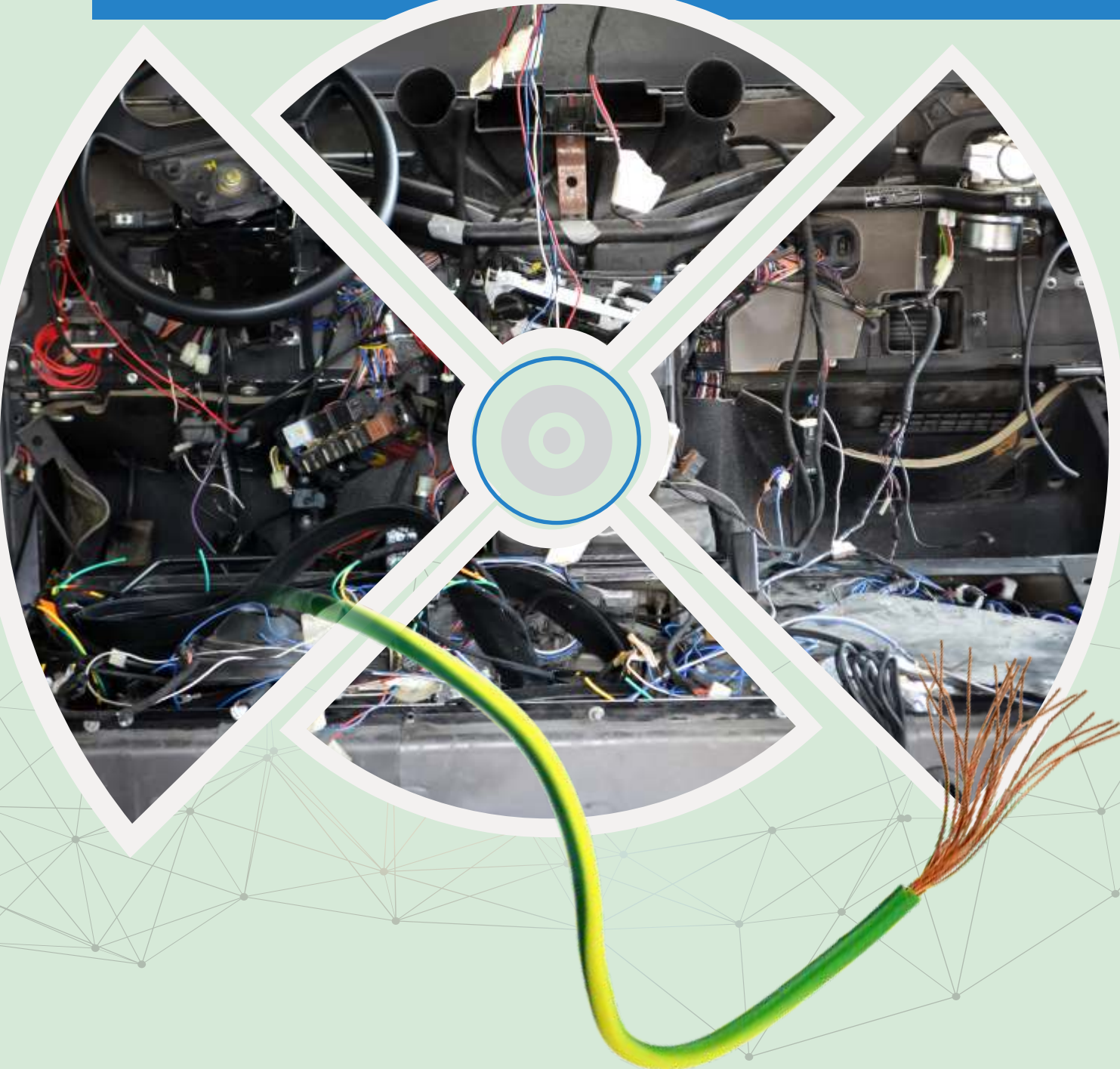




AUTOMOTIVE WIRES & CABLES





CABLES ACCORDING TO JAPANESE STANDARDS

(JIS C 3102 - Soft Annealed Electrolytic CU - ETP1)

(JASO D 611 : 2009, JASO D 608 & JASO D 618 : 2008 – Bare Conductor Construction & Insulation)

| | |
|--|--------------------------------|
| A - Low Tension Cables for Automotives | SS - Very Thin Wall Type |
| V - Vinyl Insulated | H – Heat Resistance |
| S – Thin Wall Type | X – Electron Beam Cross Linked |
| f– Extra Flexible Conductor | E – Polyethylene Insulated |

AV, AVS, AVS f, AVSS, AVSS f, AVSSH f, AVSSX, AVSSX f, AVX, AVX f, AEX, AESSX.

STANDARD CABLES

(DIN EN 13602 : Soft Annealed Electrolytic CU - ETP1)

(DIN 72551, ISO 6722-1 : Bare or Tinned Conductor Construction & Insulation)

| | |
|--|---|
| FL – Automotive Cable Low Voltage | YH – PVC & Highly Flexible |
| R - Reduced Insulation Wall Thickness | (FLRY-A)(T1) -40°C to +85°C (3000 hrs) |
| YW-Heat & Hot Pressure Resistant PVC | (FLRY-B)(T2) -40°C to +100°C (3000 hrs) |
| YK -Cold Resistant PVC | (FLRY-C)(T3) -40°C to +125°C (3000 hrs) |
| TYPE A – Symmetrical (FLRYW - A & FLR4Y-A) | (FLRY-D)(T4) -40°C to +150°C (3000 hrs) |
| 11Y - TPE-U | (FLRY-E)(T5) -40°C to +175°C (3000 hrs) |
| 4Y - Polyamide | (FLRY-F) (T6) -40°C to +200°C (3000 hrs) |
| Y - PVC Insulation | (FLRY-G)(T7) -40°C to +225°C (3000 hrs) |
| TYPE B – Unsymmetrical (FLRYW -B & FLR4Y-B) | (FLRY-H)(T8) -40°C to +250°C (3000 hrs) |

**FLRY-A, FLYRY-B, FLYRY-C, FLYRY-D, FLYRY-E,
FLYRY-F, FLYRY- G, FLYRY-H, FLY, FLYW, FLYK, FLRYK, FLRYW,
FLR4Y FLRYH, FL11Y, FLYY.**

CABLES ACCORDING TO AMERICAN STANDARDS

(ATSM B3 - Soft Annealed Electrolytic CU - ETP1)

(SAE J1128 – Bare Conductor Construction & Insulation)

| |
|--|
| TXL - Thin Wall XLPO Insulation |
| GXL - General Purpose XLPO Insulation |
| SXL - Special Purpose XLPO Insulation |



AUTOMOTIVE WIRE

CABLES ACCORDING TO JAPANESE STANDARDS

{ JIS C 3102 - Soft Annealed Electrolytic CU - ETP1 }

{ JASO D 611 :2009 , JASO D 608 & JASO D 618 :2008 – Bare Conductor Construction & Insulation }

| CABLE TYPE | Temp Range |
|---|----------------------------|
| AV WITH PVC INSULATION | -40°C to +80°C (3000 hrs) |
| AVS WITH PVC INSULATION | -40°C to +80°C (3000 hrs) |
| AVS f WITH PVC INSULATION | -40°C to +80°C (3000 hrs) |
| AVSS WITH VERY THIN WALL PVC INSULATION | -40°C to +80°C (3000 hrs) |
| AVSS f WITH VERY THIN WALL PVC INSULATION | -40°C to +80°C (3000 hrs) |
| AVSSH f HR PVC SUPER THIN WALL INSULATION | -40°C to +100°C (3000 hrs) |
| AVSSX ELECTRON BEAM CROSS LINKED SUPER THIN WALL PVC INSULATION | -40°C to +100°C (3000 hrs) |
| AVSSX f ELECTRON BEAM CROSS LINKED SUPER THIN WALL PVC INSULATION | -40°C to +100°C (3000 hrs) |
| AVX ELECTRON BEAM CROSS LINKED THIN WALL PVC INSULATION | -40°C to +100°C (3000 hrs) |
| AVX f ELECTRON BEAM CROSS LINKED THIN WALL PVC INSULATION | -40°C to +100°C (3000 hrs) |
| AEX ELECTRON BEAM CROSS LINKED THIN WALL PE INSULATION | -40°C to +120°C (3000 hrs) |
| AESSX ELECTRON BEAM CROSS LINKED SUPER THIN WALL PE INSULATION | -40°C to +120°C (3000 hrs) |

STANDARD CABLES

{ DIN EN 13602 :Soft Annealed Electrolytic CU - ETP1 }

{ DIN 72551, ISO 6722-1 :Bare or Tinned Conductor Construction & Insulation }

| | |
|--|----------------------------|
| FLRY- A (T1) WITH THIN WALL PVC INSULATION | -40°C to +85°C (3000 hrs) |
| FLRY- B (T2) WITH THIN WALL PVC INSULATION | -40°C to +100°C (3000 hrs) |
| FLRY- C (T3) WITH THIN WALL PVC/TPE/XLPO INSULATION | -40°C to +125°C (3000 hrs) |
| FLRY- D (T4) WITH THIN WALL XLPO/TPEE INSULATION | -40°C to +150°C (3000 hrs) |
| FLY WITH PVC INSULATION | -40°C to +105°C (3000 hrs) |
| FLYW WITH PVC INSULATION HOT PRESSURE RESISTANT | -40°C to +125°C (3000 hrs) |
| FLYK WITH PVC INSULATION COLD-RESISTANT WITH INCREASED FLEXIBILITY | -50°C to +105°C (3000 hrs) |
| FLRYK WITH PVC INSULATION COLD-RESISTANT | -50°C to +105°C (3000 hrs) |
| FLRYW- TYPE A WITH THIN WALL PVC INSULATION (HOT PRESSURE RESISTANT) | -40°C to +125°C (3000 hrs) |
| FLRYW- TYPE B WITH THIN WALL PVC INSULATION (HOT PRESSURE RESISTANT) | -40°C to +125°C (3000 hrs) |
| FLR4Y- TYPE A WITH THIN WALL PA INSULATION | -40°C to +105°C (3000 hrs) |
| FLR4Y- TYPE B WITH THIN WALL PA INSULATION | -40°C to +105°C (3000 hrs) |
| FLRYH WITH THIN WALL PVC INSULATION FINE WIRE,HIGH FLEXIBLE | -40°C to +105°C (3000 hrs) |
| FL11Y WITH TPE-U INSULATION BATTERY CABLES | -40°C to +110°C (3000 hrs) |
| FLYY WITH CORE INSULATION & PVC SHEATH | -40°C to +110°C (3000 hrs) |

CABLES ACCORDING TO AMERICAN STANDARDS

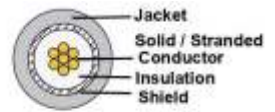
{ ATSM B3 - Soft Annealed Electrolytic CU - ETP1 }

{ SAE J1128 – Bare Conductor Construction & Insulation }

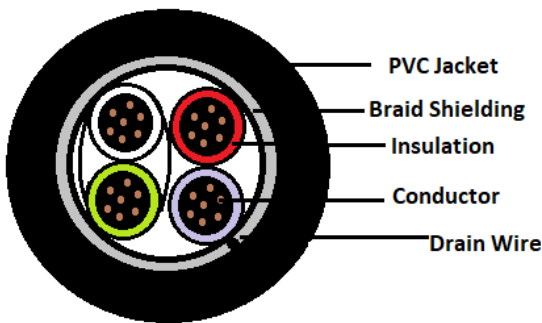
| | |
|--|----------------------------|
| TXL WITH EXTRA THIN WALL XLPE INSULATION | -40°C to +125°C (3000 hrs) |
| GXL WITH THICKER WALL XLPE INSULATION | -40°C to +125°C (3000 hrs) |
| SXL WITH STRANDED WALL XLPE INSULATION | -40°C to +125°C (3000 hrs) |

ANTENNA CABLES

- RG174
 - RG58
 - RG59 ...etc
- as per OEM Standards.



USB CABLES

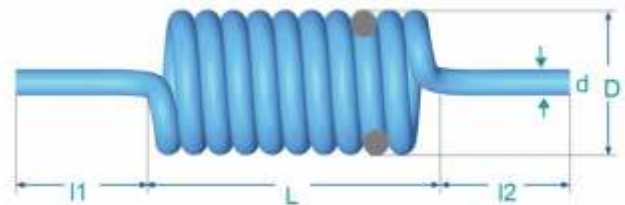


- | | |
|-------------------|-------------------|
| • 1PX28 + 2C X 26 | • 1PX26 + 2C X 26 |
| 1PX28 + 2C X 24 | 1PX26 + 2C X 24 |
| 1PX28 + 2C X 22 | 1PX26 + 2C X 22 |
| 1PX28 + 2C X 20 | 1PX26 + 2C X 20 |
| • 1PX24 + 2C X 24 | • 1PX20 + 3C X 20 |
| 1PX24 + 2C X 22 | |
| 1PX24 + 2C X 20 | • 1PX24 + 3C X 20 |

- Halogen free Jackets or PVC Jackets with temperature ranges from 800C, 1050C & 1250C.

SPIRAL / COILED CABLES

- Truck Tractor Applications.
- We have products ranging of 24V from 24N, 24S, Adaptor, EBS (7P), ABS (5P) etc.
- And SAE 52394 - 12V.
- EV Charging
- Earth Moving Equipment Sensors.
- Medical Equipments etc.



- L = Block Length in mm.
 I1 & I2 = End Length on either end in mm.
 d = Cable diameter in mm.
 D = Coiled Cable diameter in mm.

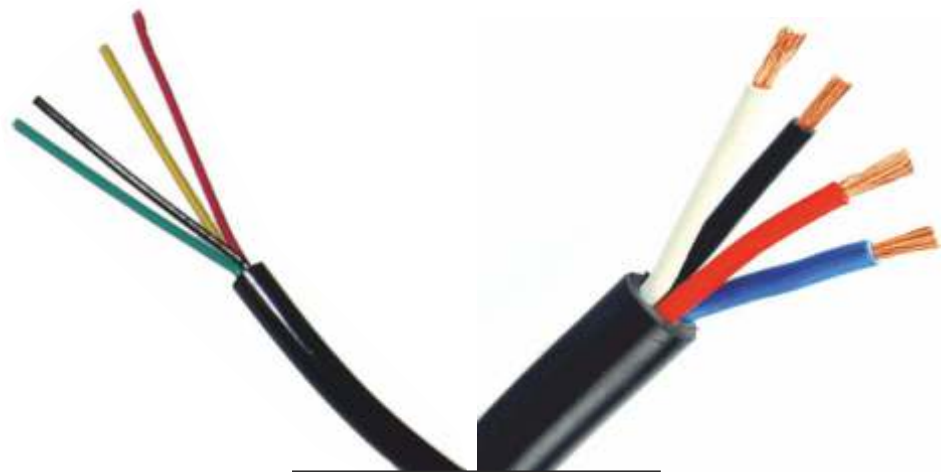
Battery Cables



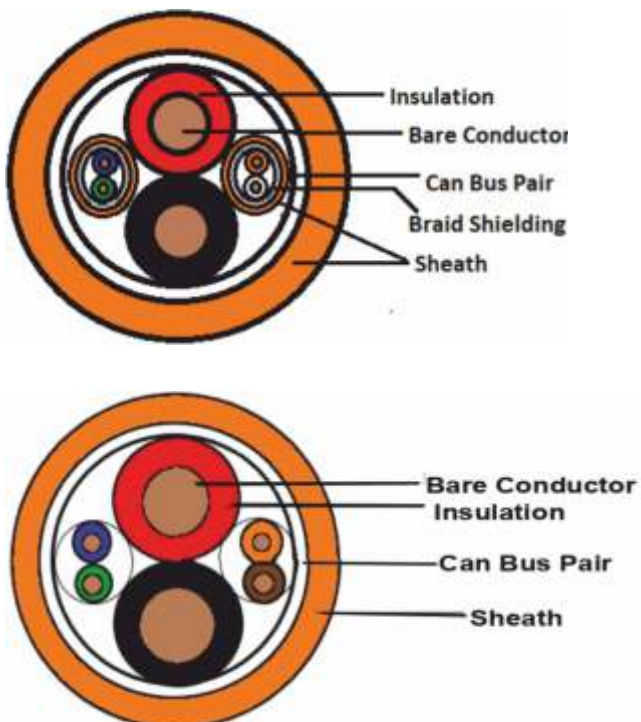
- Being manufactured as per IS 2465 / ISO 6722.
- High Flexibility, Flame Retardant, Heat Resistant etc.
- **IS 2465** : (Temperature Range : -40°C to 105°C).
- **ISO 6722** : Class B- (Temperature Range : -40°C to 105°C).
 Class C- (Temperature Range : -40°C to 125°C).
 Class D- (Temperature Range : -40°C to 150°C).
- Bending radius 5D to 10D as per customer requirement.

SENSOR CABLES

- For Braking Systems – ABS / EBS, Park Assist.
- Fuel Injection, Sensor Throttle, Wheel Speed Sensor .
- ABC (Active Body Control).
- Brake Wear Indicator.
- Sensor Cables for automatic regulation of head lamp leveling.
- Extension Cables for ABS systems on trucks and trailers.
- Temperature ranges from 80°C, 100°C, 105°C, 125°C, 150°C & 200°C.
- O₂ Sensor wires and cables.
- And Sensor cables for many more applications.



COMPOSITE CABLES



- DC power (2.5 Sqmm to 95 Sqmm) + CAN bus (2 wires / 4 wires) + Signal Wire (1 wires to 25 wires).
- Applications for Two Wheeler, Three Wheeler, Passenger Vehicle & Commercial Vehicle.
- We can develop any complexed composite cable as per your requirement.

EV SHIELDED, UNSHIELDED & BATTERY CABLES

- We manufacture a wide range of both Shielded & Unshielded Cables of various sizes starting from 2.5 Sqmm to 120 Sqmm.
- Multicore Cables ranging from:- 2C x 4Sqmm, 3C x 2.5 Sqmm, 2C x 6Sqmm upto 2C x 10 Sqmm etc as per customer requirements.
- We offer either Annealed Bunched Copper / Annealed Tinned Copper depending on your requirement.
- Bending Radius of Cables varies from 4D to 8D.
- Cables are manufactured as per Standards Specs such as :- **ISO 6722 / ISO 19642** as per customer requirement.
- A wide range of temperature rated cables as shown below:

| Temperature Range | Sheathing Polymers |
|-------------------|--|
| 105°C | PVC, TPE, XLPE / XLPO, TPU, Silicon, Teflon, Flouro Polymers..... etc wide range is available. |
| 125°C | |
| 150°C | |
| 175°C | |
| 200°C | |
| 225°C | |
| 250°C | |



- Size of Cable & Material is chosen such as to meet your Temperature, Flexibility, Peak Current, Continuous Current & Bending Radius.

CHARGING CONNECTOR CABLES

AC Charging Gun Cables:

- AC to meet IEC 62196 – Type 2 standard.
 - 3C X 2.5 Sqmm + 1 or 2 X 0.5 (16 Amps 1 Phase).
 - 5C X 2.5 Sqmm + 1 or 2 X 0.5 (16 Amps 3 Phase).
 - 3C X 6.0 Sqmm + 1 or 2 X 0.5 (32 Amps 1 Phase).
 - 5C X 6.0 Sqmm + 1 or 2 X 0.5 (32 Amps 3 Phase).
- As per customer requirement.



DC Charging Gun Cables:

- Reliable DC quick charging from a DC power source.
- **GB/T (125A , 200A)** – DC Power (2C X 25/50/70/95 Sqmm) + 1 Pair Shielded Canbus Cable + Signal Wires (8wires).
- **CCS Combo** - **AC** - (25A – 3G2.5, 25A – 5G2.5), (44A – 3G6, 44A – 5G6), (62A – 5G10) & (82A – 5G16).
DC – (82A – 3G16), (125A – 2X35 + 1G25), (172A – 2X50 + 1G25) & (220A – 2 X70 +1G35).
- **Chademo (125A)** – AWG 2 X 2 + AWG 18 X 14 +AWG 18 X 2.
- As per customer requirement.





An
IATF16949
CERTIFIED
COMPANY



ARAI[®]
Progress through Research

Corporate Office :

G- 1, Sunrise Serenity,
No.1,40 Feet Road, M.R. Garden
Geddalahalli, Aswathnagar,
Bangalore - 560 094
Karnataka, INDIA.

General enquiries: +91 80411 29421

Sales: +91 95917 87906

+91 80 23516733 / 34

+91 80 23516732

Email: sales@advancecable.in

www.advancecable.in

MANUFACTURING FACILITIES

Unit - 1

Plot No. 10 & 14,
KIADB Industrial Area,
Bashettihalli,
Doddaballapur Industrial Area,
Bangalore - 561203

Unit - 2

Plot No. 20 P2, SY No. 79(P)
Veerapura Village,
Doddaballapur Industrial Area,
Bangalore - 561203

Unit - 3

SW 32 & 33 (P1), A - P II Phase,
Kasaba Hobli
Doddaballapur Industrial Area,
Bangalore - 561203