



Power, Control & Instrumentation Cables





POWER CABLES

Conductor - Bare (Stranded or Solid) or Tinned or Aluminium (Power Cable)

Insulation - PVC or XLPE

Cores identification -

Colour code / Number printing or Based on specific request

Operating Voltage - Upto 1100V

Standards Referred -

IS:1554 for PVC cables and IS:7098 for XLPE cables & IEC 60502-1 or as per customer requirement

Armour (For Armoured Cables) -

Round Galvanised steel wires or Flat Galvanised steel strips, Al Armour

Sheath variants on request

- Flame Retardant (FR) / Fire retardant Low Smoke (FRLS) / Low Smoke Zero Halogen (LSZH)
- HR-PVC
- PVC Type ST-2 FRLS, PVC ST-2 FR
- UV Resistant Compound
- TPE, TPU, Rubber, Silicone or other special polymers

Size Range

- 0.35sqmm to 1000sqmm (Power Cable)
- 1.5sqmm to 400sqmm (Control Cable)

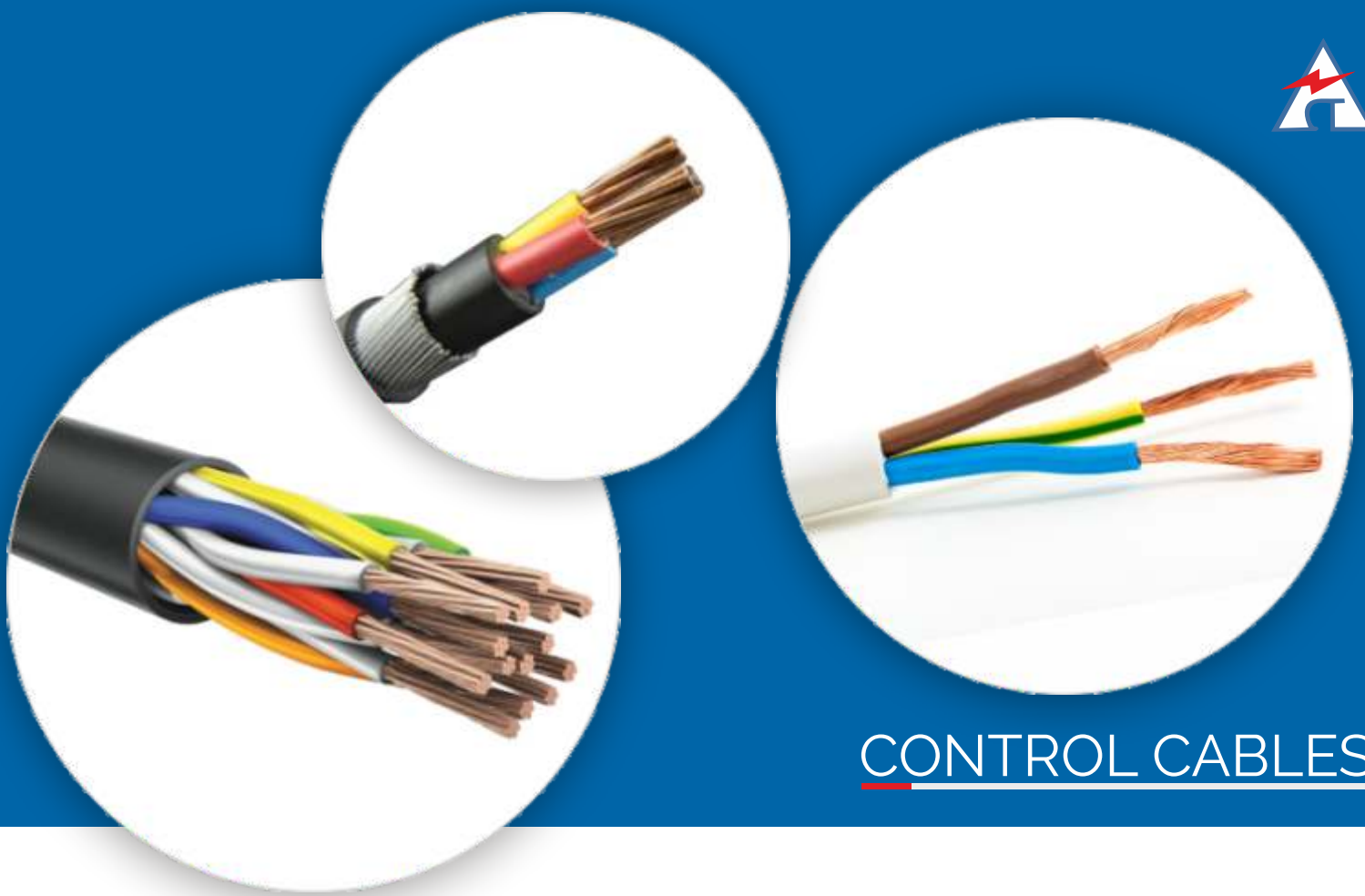
Categories of Cable we offer

- Single Core, Aluminium Conductor, PVC Insulated, Armoured/Unarmoured PVC Sheathed Cables.

- Three and Half Core, Aluminium Conductor, PVC Insulated, Armoured/Unarmoured, PVC Sheathed Cables.
- Multi Core, Aluminium Conductor, PVC Insulated, Armoured/Unarmoured, PVC Sheathed Cables etc.

Applications

- **Electricity Transmission & Distribution**
Used to deliver electrical power from generation sources to end-users in industrial, commercial and residential sectors.
- **Powering Equipment & Machinery**
Supplies power to motors, HVAC systems, pump and heavy industrial machines.
- **Suitable for Diverse Environments**
Used in underground systems, cable trays and switchgear panels both indoors and outdoors (with armoured versions for added protection) etc.



CONTROL CABLES

Conductor - Bare (Stranded or Solid) or Tinned or Aluminium (Power Cable)

Insulation - PVC or XLPE

Cores identification - Colour code / Number printing or Based on specific request

Operating Voltage - Upto 1100V

Standards Referred - IS: 1554 for PVC cables and IS:7098 for XLPE cables & IEC 60502-1 or as per customer requirement

Armour (For Armoured Cables) - Round Galvanised steel wires or Flat Galvanised steel strips, Al Armour

Sheath variants on request

- Flame Retardant (FR) / Fire retardant Low Smoke (FRLS) / Low Smoke Zero Halogen (LSZH)
- HR-PVC
- PVC Type ST-2 FRLS, PVC ST-2 FR
- UV Resistant Compound
- TPE, TPU, Rubber, Silicone or other special polymers

Size Range

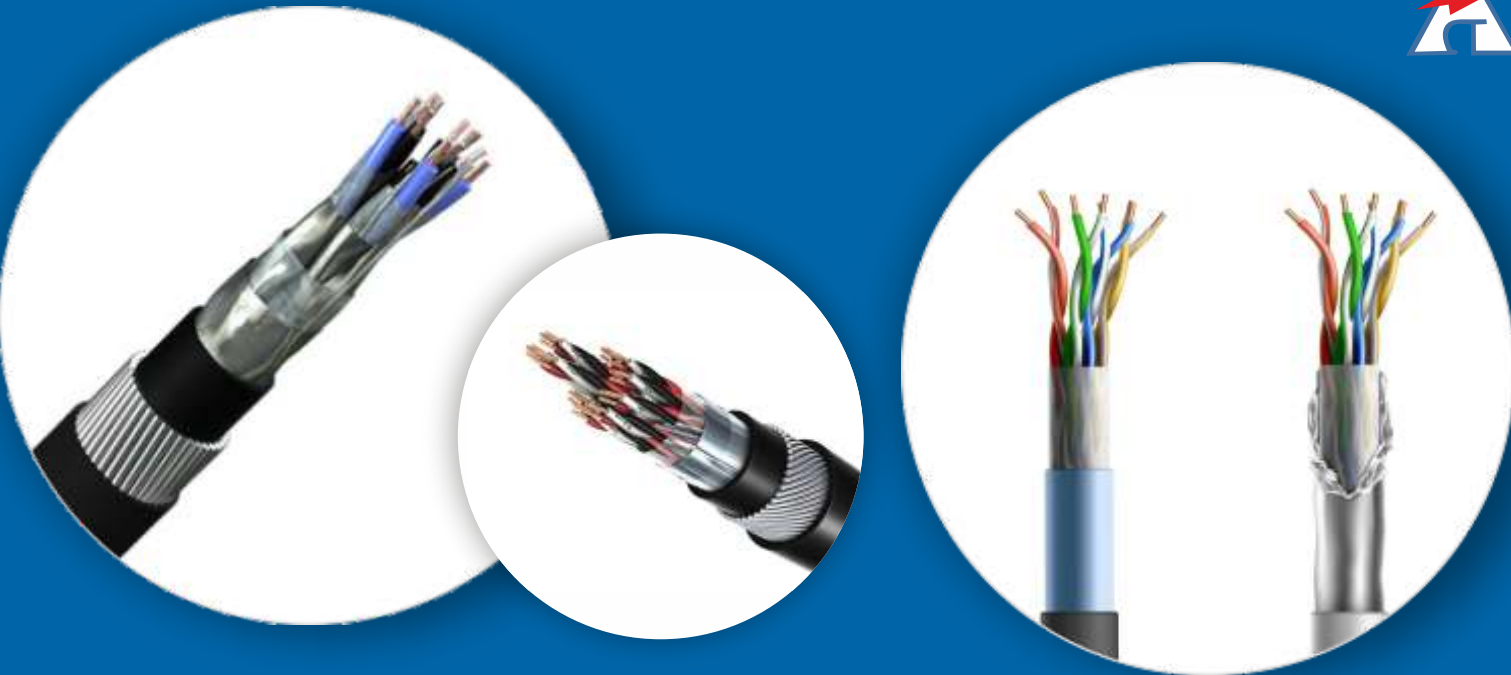
- 0.35sqmm to 1000sqmm (Power Cable)
- 1.5sqmm to 400sqmm (Control Cable)

Categories of Cable we offer

- 1.5sqmm, Stranded Copper Conductor, PVC Insulated, PVC Sheathed, Armoured/ Unarmoured Multi Core Control Cables.
- 2.5sqmm, Stranded Copper Conductor, PVC Insulated, PVC Sheathed, Armoured/ Unarmoured Multi Core Control Cables.
- Single Core, Copper Conductor, PVC Insulated, Armoured/Unarmoured, PVC Sheathed Cables.
- Multi Core, Copper Conductor, PVC Insulated, Armoured/Unarmoured, PVC Sheathed Cables.
- Three and Half Core, Copper Conductor, PVC Insulated, Armoured/Unarmoured, PVC Sheathed Cables etc.

Applications

- **Signal Transmission in Automation Systems**
Used to transmit control signals in PLCs, DCS, SCADA and other industrial automation setups.
- **Machine & Process Control**
Ideal for controlling and monitoring equipment like conveyors, robotics, and manufacturing lines.
- **Flexible Installation Options**
Suitable for indoor installations in control panels, or outdoor/direct burial when armoured etc.



INSTRUMENTATION & SIGNAL CABLES

Conductor - Bare or Tinned or Solid or Stranded

Insulation - PVC/HRPVC/PE/XLPE/FR-LSZH/PTFE/FEP/EPR

Core and Pair identification - Colour code / Number printing / Ring Marking or Based on specific request

Operating Voltage - Upto 1100V

Standards Referred - BS 5308

Pairing - Two cores twisted to form a pair

Individual Pair Screening (If required): Pairs screened with Aluminium backed Polyester Tape (100% coverage) having tinned copper drain wire with under the screen along the length in contact with the Aluminium face of the tape

Pair laying up - Pair laid up in suitable conditions

Binder Tape (Optional) - Polyester Tape

Collective Screening - With Aluminium backed Polyester Tape (100% coverage) having tinned copper drain wire under the screen longitudinally along the length in contact with the Aluminium face of the tape

Inner Sheath - PVC/HR PVC/PE/FR/FRLS/FR-LSZH/ST-1/ST-2

Armour (For Armoured Cables) - Round Galvanised steel wires or Flat Galvanised steel strips

Outer Sheath - PVC/HR PVC/FRLS/FR-LSZH/FEP/PTFE/CSP/PCP/Rubber/ Silicone or other special polymers

Size Range

- 0.5sqmm to 0.75sqmm - 2-core, 3-core, 4-core upto 96-core cables. (Instrumentation & Signal Cables)

Categories of Cable we offer

- Type-1 : Unarmoured (G-Type)
Collective Screen, Sheathed Cable
- Type -2. : Armoured (G-Type) Collective Screen,
Inner Sheath, Armoured, Overall Sheathed Cable
- Type-3. : Unarmoured (F-Type)
Individual Screen, Collective Screen,
Sheathed Cable
- Type-4. : Armoured (F-Type) Individual Screen,
Collective Screen, Inner Sheath,
Armoured, Overall Sheathed Cable.

Applications

- **DCS/PLC Systems** - Links control systems with field devices.
- **SCADA Systems** - Transmits remote monitoring signals.
- **Industrial Automation** - Used in robotics and machine control etc.



ADVANCE CABLE TECHNOLOGIES PVT LTD

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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