

A cable for International Quality Standard





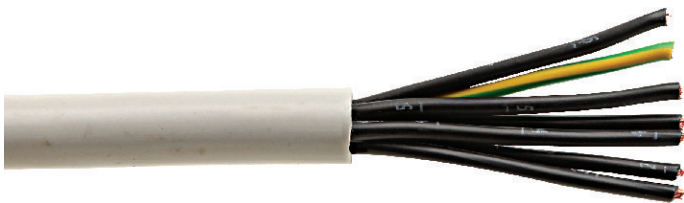
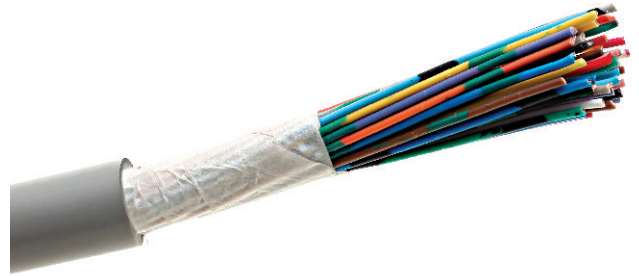
COMMUNICATION CABLES

MULTICORE CABLES

Highly flexible Non Shielded Multicore Cable. Conforms to EU low-voltage guideline 73/23/EEC.

Used as a data and signal cable for power supply chains, sensor technology, computers and control devices for measurement and control technology. Superfine bare and tinned strands of copper wire, HR+FR PVC core insulation, core colours individually identifiable with band marking. Cores twisted in layers with very short lay lengths. PVC outer sheath, flame retardant low smoke & self extinguishing.

Colour grey (RAL 7001).



CONTROL CABLES

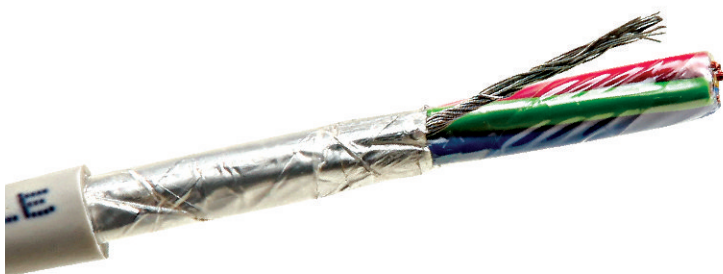
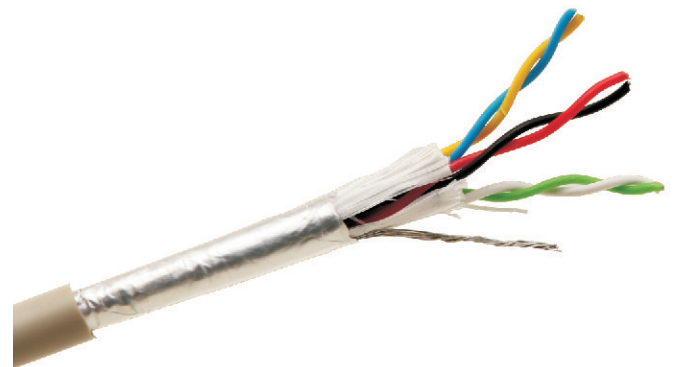
These cables are used for flexible use for medium mechanical stresses with free movement without tensile stress in dry & moist condition for measuring & control cables in machine tools, conveyor belts, production lines in machinery & steel production. Annealed bare Cu conductor as per IS 8130, Class 5/6 construction, type A pvc insulation conforming to IS 5831, with white numbers for identification & 1 Green/Yellow core for earthing, ST1 pvc Sheathing, rated voltage 300/500 Volts.

DATA CABLES

Multicore & Multipair Overall Screened Cables.

These multicore overall screened cables have individually insulated cores & multipairs laid up in an Aluminium polyester tape with a tinned copper drain wire. These cables are suitable for RS232 & RS485 applications, used in audio, control and instrumentation applications. Class 6 construction, Tinned copper wire conductor, Insulation options: PVC / FPE / SPE / TPE, Overall Screen: Aluminium Polyester tape with Drain Wire or Braiding of tinned copper. PVC outer sheathed with FRLS Fire Retardant Low Smoke & self extinguishing.

Colour grey (RAL 7032).



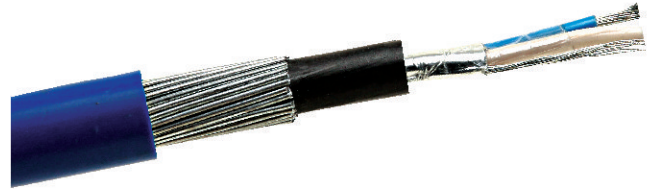
SHIELDED CABLES

Similar to our Data Cables these are large sizes with Annealed bare Copper conductor of BS6360, type A insulation of IS5831 multicore Multipair (optional) overall screened individual pair screened (optional) with Al Polyester tape with tinned Cu drain wire. These cables are suitable for interconnection of electrical measuring devices to instrument panel or instrument. Measuring, monitoring & control in machine tool manufacturing in plant engineering, in all places where electrical interference fields can distort a signal transmission or where interference pulses arising in the mains must be confined.

INSTRUMENTATION CABLES

Signal Shielded Armoured & Unarmoured Cables

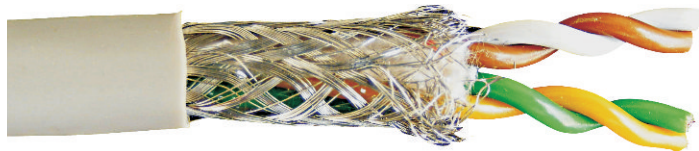
Multipair, multicore, overall shielded & armoured, individually shielded, overall shielded & armoured cables designed with special insulation materials such as XLPE, FR PVC. FRLS / ZHLS pvc as options for outer sheath. Application for outdoor use in cement plants, sugar plants, automation plants, Etc.



AUTOMATION CABLES

PROFIBUS CABLE

Profibus DP cables are designed for field networks requiring fast, cyclic data exchange between controllers and field devices. This Profibus modification optimized with respect to velocity and low installation cost. A Profibus DP is used as a replacement for conventional parallel data transmission.



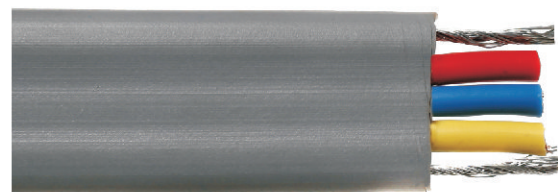
MODBUS CABLE

A cable for RS-485 applications. This cable is a twisted multipair cable with complete shield coverage having special insulation & dimensions designed to have low capacitance. Can be used for long distance communication. Advanced options with steel wire braiding, thick GI wire armoring with UV, Oil resistant, opaque & transparent outer sheath also available.

FLAT AND TRAILING APPLICATION CABLES

CRANE CABLE

Round & Flat power cables required for cranes in drum reeling & unreeling, festooning or trailing applications. A flexible Class 5/6 bare or tinned copper conductor conforming to BS6360 cable with EPR, VIR Insulation & PCP, TRS, Neoprene Rubber at 450 / 750 Volts. Heavy Duty harmonized Cables HOFR are not only robust but also are extremely flexible. PCP neoprene is also oil and flame retardant in accordance with BS6007.



ELEVATOR CABLE

Flat cables with rubberized PVC / Rubber are opted for restricted uni-directional movement especially in elevators. Cable specially designed for specific applications such as CCTV & PA systems within the elevator are also manufactured. Heavy cables are with steel ropes for extra strength.



SECURITY & SURVEILLANCE CABLES

CCTV CABLES (Flat Elevator Design + Normal Design)

A composite cable with a 75 Ohms impedance mini Co-Axial cable combined with 2, 3, 4 or more cores as per application & customer demand. The cable can also be supplied with twisted pairs for noise free audio transmission purposes. These cables are most suitable for not so long distance surveillance camera systems. For long distance video signals use our Co-Axial cables with separate cables for power or use specially designed outdoor Armoured CCTV Cables to be buried underground.



CO-AXIAL CABLES

RG-6 Copper, RG-6 CCS, RG-11 Co-Axial Cables for communicating TV & video signals. Foamed Polyethylene as dielectric for insulation over the centre conductor, Al embedded Foil with Alloy/Al/Cu wire braiding for 100% Shielding, Jelly flooded to avoid water seepage, PVC Sheathed. For long distance communication RG-11 cable available with Armouring to be buried underground.

FIRE ALARM SECURITY CABLE

For use in large complexes, malls, multiplexes & commercial establishments with high public density, a cable specially designed to communicate between the smoke detector to the security panel. Multiple versions of this cable. Withstanding 600 & 900 Deg Cel temperature till 2.5 Hrs for corrective action to be initiated by an automated / manual protection system in place. FRLS armoured versions also available.



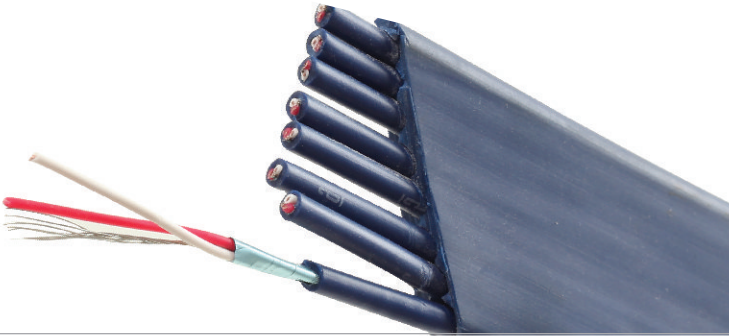
NETWORKING CABLES

CAT 5e, CAT-6, CAT-7 UTP, FTP, SFTP with various types of sheath variants as per customer demand. Advanced options with steel wire braiding, thick GI wire armoring with UV, Oil resistant, opaque & transparent outer sheath also available.

AUDIO VIDEO CABLES

SNAKE CABLES

A special flat design multi pair individually twisted shielded inner & outer rubberized pvc sheathed snake cable for multi tasking in stage shows, auditoriums & theatres, for audio video & signaling applications. Raw materials for highly flexible yet robust and long life in hazardous applications.



SPEAKER CABLES

Twin twisted and parallel Oxygen Free Tinned and Bare Cu conductor, polyethylene/pvc insulated, crystal/opaque pvc sheathed cables for transmitting audio signals. The twisted pair speaker cable is available in soft rubberized pvc sheathed, tube type structure. This provides noise free / EMI free audio communications well suited for large public areas theatres & auditoriums.



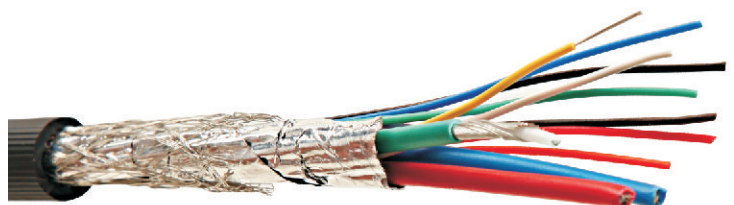
MICROPHONE CABLES

A twisted pair silver plated Cu conductor, pvc insulated, Silver plated Cu braided, sheathed with rubberized pvc for high flexibility. Used for connecting mikes to the receivers in stage shows, theatres & auditoriums.



VGA / HDMI CABLES

Specially designed cables to transmit audio video images from lap tops & computing devices to projectors, set top boxes, amplifiers & home theatres to screens & speakers. Primarily these cables are used to connect domestic and commercial audio video gadgets in synchronization with computing devices.



CUSTOMIZED CABLES

Garnering a host of expertise into the wires & cables industry & having under one roof cables of such wide spectrum, we can take designing of cables as per customer demand subject to its meeting respective MOQ's & lead time of the manufacturing process.



FIRE HEAT COLD RESISTANT CABLES

FEP / PTFE INSULATED & JACKETED CABLES

Applications demanding cables to be used in extremely high & low temperature areas PTFE FEP ETFE Insulated Cables are used; Viz: 260 / 200 / 180 Deg Cel. These cables have excellent UV protection benefits Single, multicore, straight cores and twisted pair cores , Shielded & Non-Shielded jacketed versions available. A variety of standards approvals available in these cables.



SILICONE RUBBER INSULATED CABLES

In applications where temperatures uptill 180°C are required, but extra flexibility, smooth aesthetic surface finishing is needed, silicon rubber insulated cables are made. For abrasion resistance & tough outer finish, a Fibre Glass with varnish is done on the surface of the cable either on the insulation of a single core cable or on the sheath of a multicore silicone cable.



FIBRE GLASS INSULATED CABLES

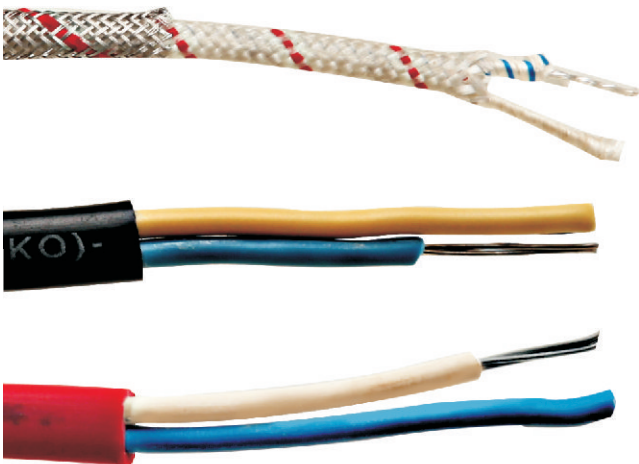
For cost effective solutions in high heat requirements a double layer of Fibre Glass with class F varnish done on the glass fibre to make heat resistant cables at affordable costs.



THERMOCOUPLE EXTENSION & COMPENSATING CABLES

Thermocouple cable or extension cables are used to connect thermocouples to the sensing or temperature controller. The conditions of measurement determine the type of thermocouple cable and insulation to be used. Temperature range & environment determine the insulation & the conductor metal requirements.

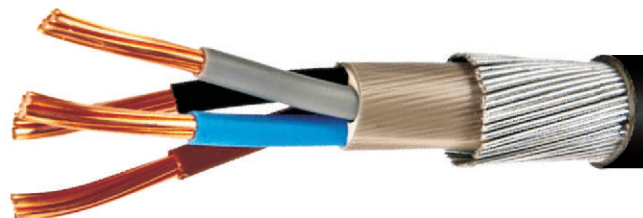
Compensating cables use completely different alloys as that of the Extension cables. They happen to exhibit very similar thermo-electric properties up to a limited temperature. Therefore great care should be taken to control the temperature of the junction between the compensating cable and the actual thermocouple material to keep it below the acceptable maximum. Compensating cables come in convenient cabling forms for site installations.



DOMESTIC AND INDUSTRIAL HOUSE APPLICATION CABLES

ARMOURED POWER CABLES

Power cables with Al & Cu as conductor options, XLPE insulation, Class 1, Class 2 and also class 5 as conductor construction, pvc taped or extruded inner sheathing, Steel wire / Flat strip armoured finally FR / FRLS / ZHLS pvc outer sheathed. Power, Control & Auxiliary application for outdoor or indoors in cable ducting.



HOUSE WIRES

We also cater to the basic needs of wires required for general housing. Sizes ranging from the basic 0.50 sq mm upto 10 sq mm through the general ranges with the standard 5 color options & different grades of insulation; Viz FR, FRLS, ZHLS Etc.

PLANT PROFILE & HIGHLIGHTS

Manufacturing Capabilities Sourcing being the key asset of our team gave higher denominations to 'CALENDAR' Brand; Viz:

COPPER DRAWING:

Process - High quality 8 mm copper rods are reduced upto 0.05 mm in large, medium & small drawing machines. All drawn copper undergo anti-corrosive treatment to prevent oxidation. If required they can be followed by tin plating or silver plating as per applications. Capacity - 600 Tonnes / Month. Test - Diameter determination, Elongation.

PRODUCTION OF PVC COMPOUND:

Process - Mixing of PVC Resins, DOP, DINP, DIDP, DOA, TOTM, forming different PVC types & colours as per applications. Capacity - 800 Tonnes / Month. Test - Aging, Elongation, Tension, Bending Fatigue, Cold Winding Crack & Insulation.

TWISTING:

Process - High speed twisting machines are used to bundle up copper strands, insulation bundle & co-axial bundle respectively. Test - Conductive test.

BRAIDING:

Process: Over 200 Sets high speed braider (16 Heads, 24 Heads) in braiding unit of 0.08mm to 0.19mm forming Copper braid, Tin-plated copper braid, Aluminium wire braid, Silver-plated braid for Co-axial Cable & Shielded wire. Capacity : 30000 Km / Month.

EXTRUSION :

Process - Swiss made extrusion head is available in addition to the general extrusion facility. Extrusion line may be in process of the special figure 8 winder. Capacity - 4x20 Containers / day. Test - Spark tester, On-line Swiss made Capacitance determinator & Diameter detector to guarantee even & high quality finishing in extrusion process.

QUALITY BUILDING QA/QC, R & D :

The work force in the manufacturing plant are quality minded & quality is built into every phase of production through regular QC/QA programme. They are in close contact with Sales & Marketing personnel to identify market trend & product development. We can also develop products tailor-made to customer's specifications. The R & D Division is in co-operation with Japan, Denmark, Taiwan cable experts through technology exchange programmes to upgrade latest machinery & technologies.

PACKAGING:

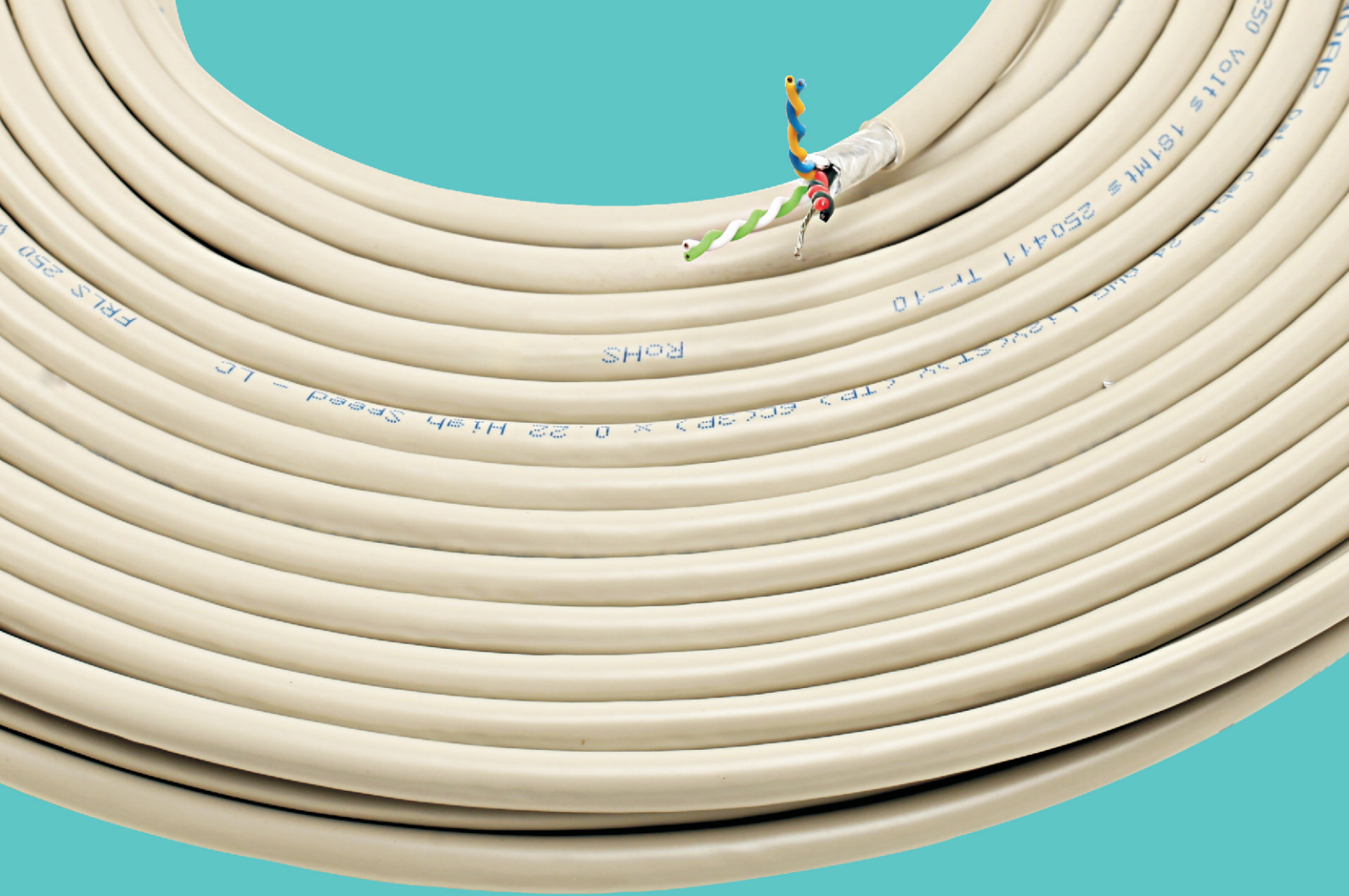
Different types of packaging: Coils, Plastic Reels, Assembled Cardboard Reels (Metal Core, Plastic Core), Metal Reel, Wooden Reel, Pull-Box, Blister, Bulk & Pallet are available at Customer's choice. Printing as per customer's art-work also can be done.

PRESENT BOUQUET OF PRODUCTS :

Instrumentation cables of various sizes; Viz: 0.22sq mm, 0.44sq mm, 0.72sq mm, from 2 Core onwards to 60 Cores in Shielded & Non-Shielded varieties. Specialized LAN cables on demand. Specialized Co-axial cables on demand.

ACCREDITATION: ISO9001 Granted by UL in the year 2000.
UL Marking at additional charges can be provided.

ISO9002 granted by SGS in the year 1996.
Cables having RoHS compliance.



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