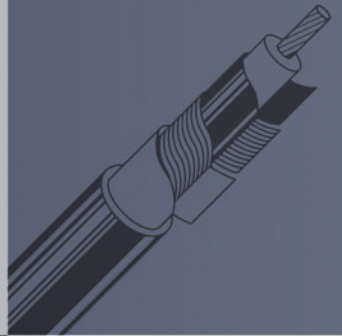
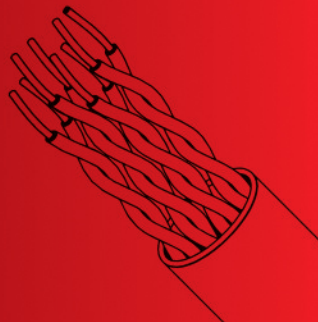
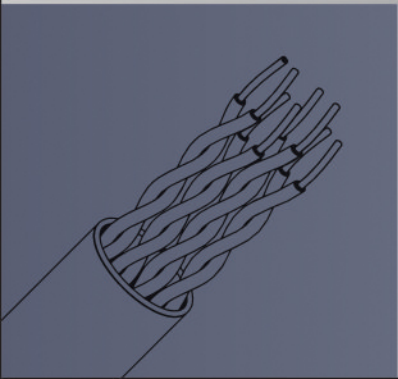
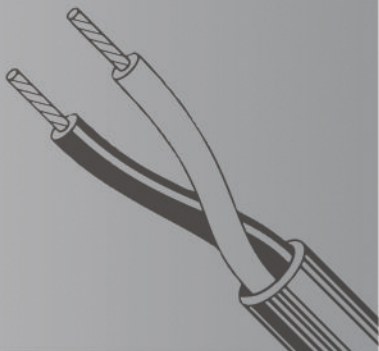


POWER TO THE PEOPLE



HEMFLEX[®]
C A B L E S



GRACIA METALS PVT. LTD.

AN ISO 9001 : 2015 CERTIFIED COMPANY



Profile

Founded in year 2013, HEMFLEX Cables are well-known manufacturers of a wide range of cables and wires. Our products are extremely appreciated by valued customers for their durability and top performance.

Hemflex Cables an ISO 9001 :2015 certified company, is specialist in House Wires, Flexible Single/ Multi Core Cables, Submersible Cables, Co-axial Cables, Instrumentation & Control Cables, Braided/ Shielded Multi Core Cables, CCTV Cables, Lan Cables Cat-5/ Cat-6, Fire Alarm Security Cables, FR-LSH Cables & Custom-Made Cables.

Hemflex Cables is focusing on strategies like diversifying into promising new business, expanding operations and improving overall efficiency. The company is confident these strategies will enable to expand sales and ensure probability in an increasing competitive environment.



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hemflexcables@gmail.com
www.hemflexcables.co.in



Our Complete Product Range

- | | |
|-----------------------------|-------------------------|
| ■ Flexible Cable | ■ House Wire |
| ■ Multicore Cable | ■ CCTV Cable |
| ■ Single Core Cable | ■ Coaxial Cable |
| ■ Armoured Cable | ■ Submersible Cable |
| ■ Unarmoured Cable | ■ Power Cable |
| ■ FR-LSH/ FR Cable | ■ Screened Cable |
| ■ Fire Survival Cable | ■ Bare Copper |
| ■ Fire Alarm Security Cable | ■ Fine Wire/ Round Wire |
| ■ Instrumentation Cable | ■ Tinned Copper |
| ■ Pair/ Triad/ Quad Cable | ■ Copper Strip/ Flat |
| ■ Shielded Cable | ■ Copper Ingots |
| ■ Screened/ Braided Cable | ■ Copper Rods |
| ■ Control Cable | ■ Custom Made Cables |

HOUSE WIRES

We manufacture electrical wires for every segment of the construction industry. Each wire is manufactured using more than 99.97% pure electrolytic grade bright annealed bare copper with more than 100% conductivity to ensure compliance with ISI Standards. The conductors are made up of multiple strands of finely drawn copper wire which offers great flexibility, making it ideal for conduit wiring. The Specially Developed high grade PVC compound, used for insulation is resistant to moisture, oils, alkaline, grease and flames and has very high insulation resistance values. These wires are manufactured as per ISI Marked.



FLEXIBLE SINGLE & MULTI CORE CABLES

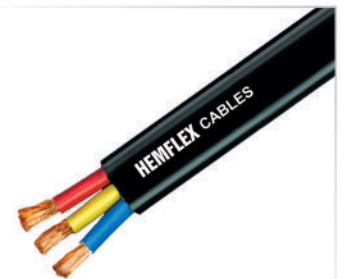
We manufacture and supply premium quality single & multi core flexible cables with insulated cores which are laid up to form the assembly. Specially formulated Soft PVC Sheathing provides ease in stripping and withstands mechanical abrasion or wear & tear while in use which improves the life of the Cable. "Flexible cables, or 'continuous-flex' cables, are cables specially designed to cope with the tight bending radii and physical stress associated with Moving applications, such as inside cable carriers. They are available in wide range of sizes, color and number of cores. These wires are manufactured as per ISI Marked.

These cables are very versatile. They can be used in following areas which includes Control panel in heavy industries, Heavy machineries, Air conditioner, Motors & Automobiles, etc.



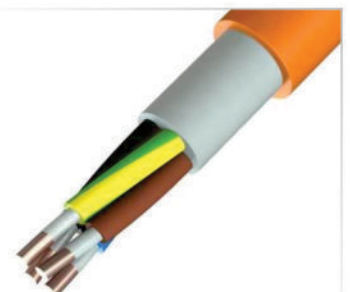
FLEXIBLE SUBMERSIBLE CABLES

Submersible Pump cables is a specialized product to be used for submersible pumps in a deep well. The area of installation is physically restrictive, and the environment is very hostile. We have designed and manufactured keeping in mind these factors to achieve the highest possible degree of reliability. For a trouble free working, this connecting cables are used for submersible pump motors. These are manufactured keeping in mind the severe and difficult conditions in which they require to perform. The individual conductors are made from bright electrolyte grade copper. These wires are drawn, annealed and bunched properly to ensure flexibility and uniform resistance. Each of the 3 copper conductors is insulated with special PVC compound. The cores are laid up in flat parallel positions. The outer sheath of the cable is made from a special grade of abrasion resistance PVC compound impervious to water, grease, oil etc.



FLAME RETARDANT LOW SMOKE (FR-LSH) CABLES

We manufacture FR-LSH cables which stands for Flame Retardant Low Smoke, are fire resistant cables which are used at the locations which are more prone to fire such as Hotels, Theaters, Hospitals, Shopping malls, Schools, Offices, etc. Flame Retardant Low Smoke PVC compound which is present in the cable, ensures low smoke release compared to other wires with PVC coating. They are less toxic in nature and emit low amount of corrosive fumes. Almost 80% of casualties in an electrical fire is due to inhalation of fumes and the poor visibility caused by smoke. The Flame Retardant Low Smoke (FR-LSH) wires ensure visibility of at least 40% which helps people navigate through a fire. Low smoke also enables fire fighters to navigate easily while rescuing people trapped indoors or within buildings. It has superior fire retardant properties, is moisture resistant and it contains fire fighting molecules.



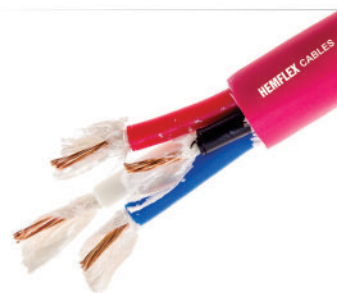
FIRE ALARM SECURITY CABLES

The standards for building safety now calls for various safety gadgets to detect and relate any threat to the master control rooms. Hence, our Fire Alarm cables are designed to meet the requirements of circuit integrity under Flame. Low smoke and emission under fire conditions are the hall marks of such cables. These cables function even under prolonged exposure to flame. The construction of such cables being from inorganic materials aids for resistance to flame, hence survives the harshest fire conditions. These cables are used in high rise buildings, commercial complexes, schools and educational institutions, hospitals, etc. for the connection with security systems like smoke detectors, emergency lightings, exit signboards and fire command center. These cables are used where the fire safety is utmost important.



FIRE SURVIVAL CABLES

We manufacture Fire Survival Cables which offer the advantages of an armoured 600/1000V rated, low smoke zero halogen (LSZH) cable with circuit integrity. High safety Fire Survival Cables for fire prone areas also known as CIRCUIT INTEGRITY CABLES, they are designed to sustain high temperatures for a defined minimum period of time under direct fire. They are intended for use in installations where vital circuits are required to continue operation in the event of the outbreak of fire. It is particularly suited for use in public buildings and constructions (such as hospitals, theatres, shopping developments, tunnels, mass transit railways, oil & petrochemical plants, power stations and computer installations) where the danger to life, equipment and structures may be greatly increased in the event of a power failure due to fire.



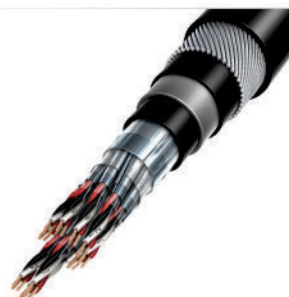
COAXIAL CABLES

We manufacture Coaxial cable, which is most common cable used for transmitting video signals. The name "coaxial" refers to the common axis of the two conductors. It is a type of electrical cable consisting of an inner conductor surrounded by a concentric conducting shield, with the two separated by a dielectric (insulating material); many coaxial cables also have a protective outer sheath or jacket. Coaxial is a type of cable used to transmit data, the internet, video and voice communications. A coax cable is made up of an aluminum and copper shield with an outer plastic jacket with the dielectric insulator helping to minimize signal loss. Most coaxial cables for video applications have a nominal impedance of 75 ohms.



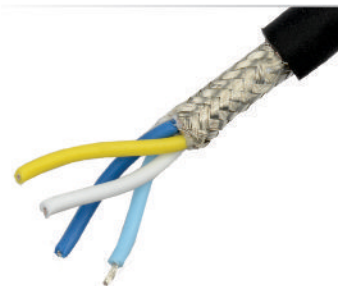
INSTRUMENTATION CABLES

We manufacture Instrumentation cable which consist of total interference free data transfer and is ideal for use as a signal and control cable in measuring, process- control and security systems. Instrumentation cables are multiple conductor cables that convey low energy electrical signals used for monitoring or controlling electrical power systems and their associated processes. Microprocessor based control devices demand very low noise level and attenuation of signals in the cable. This calls for careful designing & manufacturing of cables with stringent quality control. These are used at Refineries & Gas plants, Offshore platform, Power stations, Steelworks, etc.



SCREENED/ BRAIDED CABLES

Multi-core screened (Shielded / Braided) flexible cables are used for low noise signal cables and control purposes. These cables are manufactured with flexible copper conductors, PVC insulated, tinned copper Braided/ Shielded with overall PVC sheath. The specially developed high grade PVC compound, used for insulation and sheathing is resistant to moisture, oils, alkaline, grease and flames and has very high insulation resistance values. These cables are especially developed for defense, telecommunications and electronic applications. Very feeable signals can be transmitted with least interference.



TWISTED PAIR CABLES

Hemflex Pair cables are designed for voice clarity and elimination of cross talk, are most suitable for indoor use in large office/ residential buildings, hotels and industrial complex for interconnection of telephone and intercom system, Pbx and in central exchange for interconnection of distribution frames, switching and transmission equipments. Solid annealed high conductivity bare copper of 0.5 mm diameter is insulated with high density polythelene in different colours. The insulated cores are twisted with uniform lay to form pairs and are bunched together in such a manner so as to minimise cross-talk. The laid up cable is taped with polyster and further jacketed with a grey colour fire retardant PVC with high oxygen index. A nylon rip cord provides an effective means of slitting the jacket without damaging the insulated cores. The cables generally conforms to ITD specification and international standards. Stringent quality control is exercised at every stage, from raw material through manufacturing, upto the finished stage which guarantees high quality.



LAN CABLES – CAT 5 & CAT 6

CAT cables are very effective network cabling system used in modern computer networks. This cables form the backbone of modern data transmission in commercial areas. The capacity of our cable is 100+ mbps (mega bytes per second) data rates. The jacket of LAN cable is made of special grade flame retardant PVC with low smoke emission which also meets the international specifications. It has high bit rates over extended distances, it is ideal for use in structured cabling.



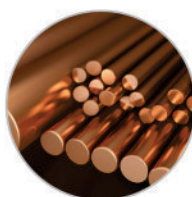
CCTV CABLES

We manufacture CCTV Cables which are also known by the name of Audio Video wires that are used for an intended function to install camera with audio System from a single common point to equipment system. These cables are most often used for surveillance areas that may need monitoring such as banks, casinos, airports, military installations, and convenience stores.



OTHER PRODUCTS

- BARE COPPER, FINE WIRE, ROUND WIRE
- TINNED COPPER
- COPPER STRIP/ FLAT
- COPPER INGOTS
- COPPER RODS



Our Complete Product Range

No.	Description	Range
01.	Alloys As per various specified International Standards.	Copper ETP DHP / DIP / Free Cutting High Copper Alloys <ul style="list-style-type: none"> • Copper Cadmium (C-16200) • Copper Chromium (C-18200) • Copper Chromium Zirconium (C-18150) • Copper Tellurium (C-14500) • Copper Sulphur (C-14700) Brasses <ul style="list-style-type: none"> • Lead Brass (C360, CuZn39Pb3, CuZn40Pb2, CuZn38Pb1, C314) • Lead Free Brass (CuZn40, CuZn37, CuZn35, CuZn30, CuZn20, CuZn15, CuZn10, CuZn5, C220 to C280) Bronze - Wire in Coil & Rod form <ul style="list-style-type: none"> • Phosphorus Bronze (CuSn1, CuSn4, CuSn5, CuSn6, CuSn7, CuSn8, CuSn12) • Silicon Bronze (CuSi1, CuSi3, C651, C655, C656) • Aluminium Bronze (CuAl8, CuAl9Fe, CuAl10Fe, CuAl18Ni2, CuAl10Fe4Ni4, CuMnNiAl) <ul style="list-style-type: none"> • Lead Phosphorus Bronze (C544, C534) <ul style="list-style-type: none"> • Resistance Wires, Copper Wires Nickel Silver (CuNi10Zn27, CuNi12Zn24, CuZn18Zn20) Cupro Nickel (CuNi1, CuNi2, CuNi5, CuNi6, CuNi10, CuNi15, CuNi20, CuNi23Mn, CuNi30)
02.	Ingots	10 Kgs. to 250 Kgs. Having alloying elements like : Al, Sn, Si, Mn, Fe, Ni, Pb, P, Bi, Te, Se, As, etc.
03.	Extruded rods, Bars Flats, Sp. Profiles	1.00 mm to 115 mm Circumscribed Diameter
04.	Copper Flats	Width : 4 mm to 80 mm Thickness : 1 mm to 75 mm
05.	Hollow Rods & Profiles	ID : 12 mm to 90 mm Profiles OD : 18 mm to 110 mm (Circumscribed Diameter) Min. Wall Thickness : 3.50 mm
06.	Tubes	OD : 5 mm to 60 mm Wall Thickness : 0.30 mm minimum
07.	Wire In Spool & Coil Form	Diameter : 0.10 mm to 24 mm
08.	Flatten Wire In Coil Form	Width : 2.5 mm to 8 mm Thickness : 0.60 mm to 2.5 mm
09.	Centrifugal Castings	OD : 100 mm to 350 mm Castings Wall Thickness : 8 mm and Above Height : 350 mm Max.
10.	EDM / Jari Wire	Diameter (mm) : 0.10, 0.15, 0.20, 0.25 & 0.30 mm

WHY HEMFLEX CABLES?

- ETHICAL BUSINESS PRACTICE
- COMPETITIVE PRICE
- HUGE PRODUCT RANGE
- TECHNOLOGICALLY ADVANCED PLANT
- BIS APPROVED LAB & TESTING FACILITIES
- TIMELY DELIVERY
- WE DELIVER WHAT WE PROMISE
- CUSTOMIZATION FACILITY



ADVANTAGES OF OUR CABLES?



- OUR CABLES ARE EXCELLENT MOISTURE RESISTANT AND HAVE HIGH DIELECTRIC STRENGTH
- OUR CABLES HAVE HIGH SHORT CIRCUIT-SAFETY & OVERLOAD CAPACITY
- OUR CABLES ARE MOST SUITABLE FOR EASY JOINTING AND TERMINATION
- OUR CABLES ARE HIGH RESISTANT TO MOST OF CHEMICALS, ACIDS BASES AND OILS
- OUR CHEMICALS HAVE A SMOOTH OUTER SURFACE RESULTING IN A NEAR APPEARANCE

QUALITY CONTROL

The quality control of HEMFLEX cables start from basic raw materials and continues right up to all stages of production down to finished product testing and even to the final usage where we extend service to our customers in proper handling and use of product.

TESTING OF RAW MATERIAL:

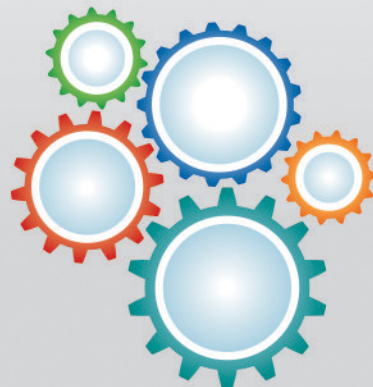
- Copper/ Aluminum conductor -resistance, annealing, resistivity of rods and wires, Tensile strength
- Galvanized wires and strips
- PVC compounds
- We have tensile testing machine ovens



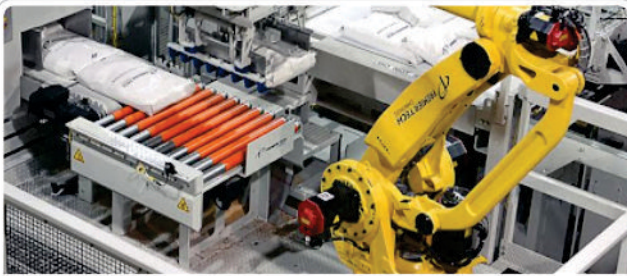
PROCESS CONTROL

To ensure minimum rejection at final stages and the best possible quality of product, inspection of product is carried out at different stages of manufacturing. Well qualified staff is employed for the process. The following checks are carried out in process control inspection:

- Wire drawing
- Stranding
- Insulations
- Laying up and inner sheath
- Armouring
- Outer sheath
- Smelting



PROMINENT INDUSTRIES THAT WE CARTER TO :



Automation & Process Industries



Power Generation Companies



Oil & Gas Companies



Chemical Industries



Builders & Developers



Panel Manufacturers



Various Shipping Companies



Projects where Wires and Cables are required

QUALITY ASSURANCE CERTIFICATES



OUR PLANTS & MANUFACTURING FACILITIES



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Scan Here



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