MAKE IN INDIA

ISO 9001 : 14001

RoHS

CE

TORTEK

WIRES & CABLES

INSULATING YOUR LIVES

About Us

We began in 2004 as a sole proprietorship firm called Tech Trading Corporation, headquartered in Delhi, with the primary business activity of trading in electric wires and cables, as well as fast-moving electrical goods like lighting, fittings, switches, switch gears, conduits, and cable accessories.

In 2010, we established a manufacturing unit in Delhi to produce a wide range of electrical wires and cables, including house wires, multicore flexible cables, power cables, control cables, instrumentation cables, submersible cables, fire-survival cables, mining cables, and telecommunication cables, among others.

Tortek India Private Ltd was founded in 2019 with its headquarters in Gurgaon and an improved production site in Bhiwadi-Alwar equipped with cutting-edge technology and machinery.

We are an ISO 9001:2015 and ISO 14001:2015 certified company with a cutting-edge production plant and a comprehensive in-house testing facility in Bhiwadi (Rajasthan). All calibrated instruments in the lab are traceable to the most recent Indian or international standards. Our products are additionally evaluated by third-party laboratories in accordance with the clients' specifications.

Our cables are well-known for their quality, safety, and dependability. We manufacture and supply cables to both Indian and international specifications (viz., BIS, IEC, BS, etc.) and customer specifications. IS: 694, IS: 1554, IS: 7098, and other BIS certifications are available.

We are committed to providing a safe and healthy working environment in order to prevent work-related accidents and illnesses. One of our main beliefs is safety. We aspire to be a safety leader. In our industry, we have ROHS certification, which limits the use of some hazardous substances.

All cables are made with the most contemporary plant equipment and tight quality standards, ensuring that quality is incorporated into the product and that it provides trouble-free service.

We are led by a dynamic team of highly skilled and experienced individuals with demonstrated knowledge of the cable sector. We provide significant expertise in the design, development, and production of high-quality cables at low prices and on schedule for our valued clients' pleasure.

Apart from the local market, we also sell our cables to countries such as Somalia, Qatar, Rwanda, Egypt, the United Arab Emirates, Oman, Tanzania, and Laos. We also have CE Certification in compliance with worldwide quality requirements.

Tortek caters to the demands of diverse industries, and our cables are effectively used in industries such as power & distribution, sugar, cement, mining, fertiliser, steel, chemicals, telecom, real estate, and so on.

Our Products

WIRES AND CABLES

We offer extensive expertise in design, development and manufacturing of high quality power, control & instrumentation cables conforming to Indian / International standards and customer specifications.

DOMESTIC WIRES

Tortek Domestic Cables are used in all types of residential and commercial structures, as well as electrical control panels. Tortek India manufactures PVC Insulated Single Core Wires with 99.9% pure Electrolytic Grade Copper and 100% conductivity.

These electrolytic grade copper conductors are annealed and bunched as numerous strands, allowing for greater flexibility and a smaller bending radius, making them suitable for conduit wiring. These wires are made in accordance with IS: 694, BS: 6500, IEC 60227, and client specifications.

The wires are further classified based on their insulating qualities into:

FLAME RETARDANT WIRES

TORTEK FR WIRE is synonymous with superior safety. The wire can withstand an operating temperature of 70 °C and has good fire and heat retardant properties. It is made from the finest kind of copper available: electrolytic grade, annealed bare copper with 100% conductivity.

FLAME RETARDANT LOW SMOKE HALOGEN WIRES

TORTEK FR-LSH WIRE can withstand a working temperature of 85°C and has good fire, heat, and non-toxic properties. It is made from the finest kind of copper available: electrolytic grade, annealed bare copper with 100% conductivity.

HEAT RESISTANT FLAME RETARDANT WIRES

TORTEK HRFR WIRE can withstand a working temperature of 105°C and has outstanding fire and heat resistant properties. It is made from the finest kind of copper available: electrolytic grade, annealed bare copper with 100% conductivity.

ZERO HALOGEN FLAME RETARDANT WIRES

TORTEK ZHFR WIRE is an insulated wire with zero halogen characteristics and good flame retardancy. This cable is intended to promote safety in the event of a fire by reducing toxic vapours that might cause injury when inhaled and corrosive chemicals that can damage electrical gadgets.

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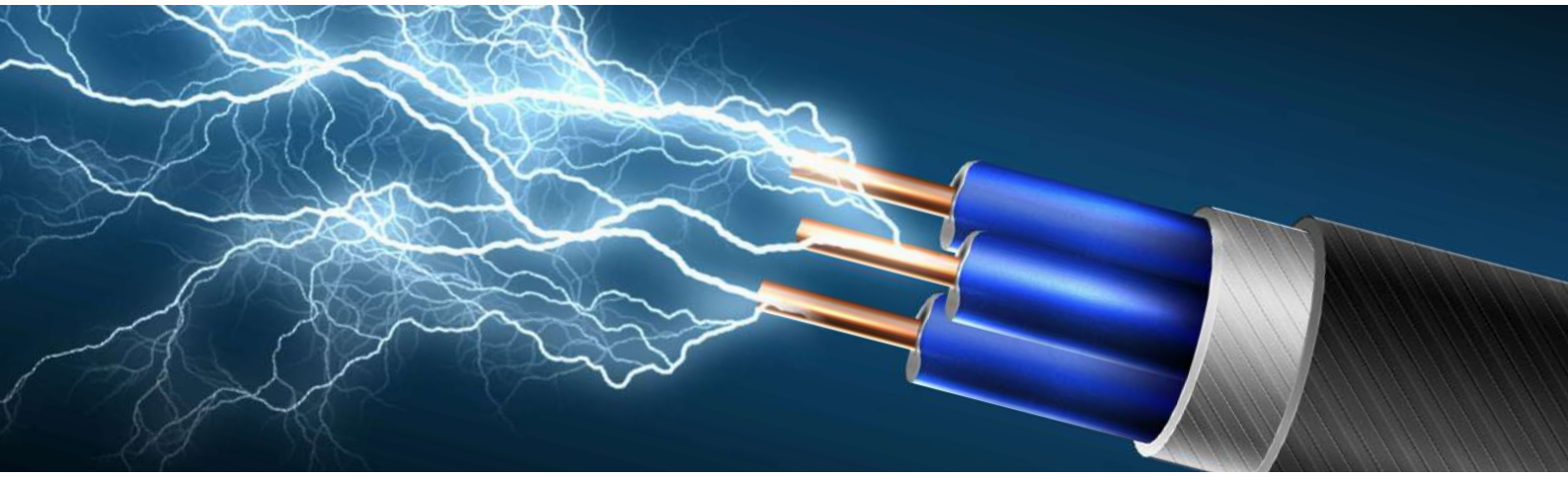

MULTICORE FLEXIBLE CABLES

Low voltage signals, electrical motors, electrical appliances, control panels, DC power transformers, and other applications employ TORTEK MULTICORE FLEXIBLE COPPER CABLES. The conductors in these cables are annealed bare or tinned copper and can be stranded or multistranded. PVC type A/C/D is used for cable insulation, while FR/FRLSH/ZHFR/HRFR PVC is used for outer sheathing.

Cables are made in accordance with IS: 694, BS: 6500, IEC 60227, and client specifications.

FLAT SUBMERSIBLE CABLES

Submersible motors and pumps use TORTEK FLAT SUBMERSIBLE CABLES. They are also suitable for irrigation pumps, drinking water supply pumps, offshore drilling rings, firefighting equipment, sewage treatment facilities, and seawater/river water/handling equipment.
These cables are made using annealed bare or tinned copper conductors in accordance with IS 694, as well as PVC insulation and sheathing. We have a large selection of twin and three-core flat cables up to and including 95 sq mm.

Cables are made in accordance with IS: 694, BS: 6500, IEC 60227, and client specifications.

SOLAR CABLES

Solar cables are used to link solar panels to other electrical components of a DC system. Solar cables are used on the direct current (DC) side of solar systems and have a nominal DC voltage of 1.5 kV in accordance with international standards TUV 2 Pfg 1169/08.2007 or EN 50618.
These cables are suitable for both indoor and outdoor usage, and have a high mechanical strength under adverse weather conditions. Cables are built to endure the harsh climatic conditions seen in any permanent, transportable, roof-mounted, or aesthetically integrated solar system. These cables are made of aluminium (stranded-circular) and copper conductors that can be stranded or multistranded.

The cable is insulated with XLPE/XLPO and has a UV-resistant outer sheath of FR/FRLSH/ZHFR/HFFR.

Our Products

LT POWER CABLES

TORTEK LT POWER CABLES are utilised in power distribution applications such as industrial, commercial, institutional, and residential. They are used in a wide range of sectors, such as renewable energy, steel, cement, railroads, and several other industrial industries, among others.
These cables are made from EC grade aluminium or annealed/tinned electrolytic copper. IS: 8130 is met by all conductors. Conductors might be solid, stranded, compact, circular, or sector shaped.
PVC/XLPE extrusion Insulated, with cores put up on ST-1/ST-2 inner-sheath extruded PVC (FR/FRLSH/LSZH), unarmoured/armoured Extruded PVC ST-1/ST-2 (FR/FRLSH/LSZH) encased cables from single core to 1000 sq mm and multi-core to 4C X 400 sq mm.

Cables are made in accordance with IS: 1554 (Part-1)/IS: 7098 (Part-1)/IEC: 60502 (P-1)/BS: 5467, as well as client specifications.

MV POWER CABLES

TORTEK MV POWER CABLES are utilised in power distribution applications such as industrial, commercial, institutional, and residential. They are used in a wide range of sectors, such as renewable energy, steel, cement, railroads, and several other industrial industries, among others.
These cables are made from EC grade aluminium or annealed/tinned electrolytic copper. IS: 8130 is met by all conductors. Conductors might be solid, stranded, compact, circular, or sector shaped.

XLPE extruded insulation with cores installed Unarmoured/Armoured Extruded PVC ST-1/ST-2 (FR/FRLSH/LSZH) inner-sheath, Extruded PVC ST-1/ST-2 (FR/FRLSH/LSZH) Multi-core to 4C X 400 sq mm encased cables and single core to 1000 sq mm encased cables

Cables are manufactured in accordance with IS: 7098 (Part-2) and client specifications.

MINING CABLES

Tunneling, drilling, shuttle cars, roof bolters, open mining, underground mining, mining pumps, and other mining activities all employ Tortek Mining Cables. They function well in highly severe working situations with a lot of vibrations, impact, and strain.

Mining cables have conductors composed of EC grade aluminium or annealed electrolytic copper. IS: 8130 is met by all conductors. Conductors might be solid, stranded, compact, circular, or sector shaped. PVC/XLPE extrusion insulated, with cores put up Extruded PVC ST-1/ST-2 (FR/FRLSH/LSZH) Double flat steel strip or double round wirePVC ST-1/ST-2 encased cables (FR/FRLSH/LSZH) extruded in accordance with IS: 1554 (Part-1)/IS: 7098 (Part-1).

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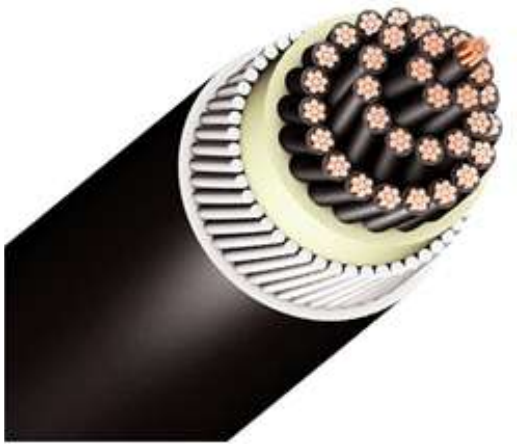
LT CONTROL CABLES

Tortek LT Control Cables are used to link control circuits, communication systems, electrical panels, and control panels, among other things. The cables are made of annealed bare or tinned electrolytic copper. IS: 8130 is met by all conductors. The conductors are either solid or stranded.

PVC/XLPE extrusion Unarmoured/Armoured, Extruded PVC ST-1/ST-2 (FR/FRLSH/LSZH), Extruded PVC ST-1/ST-2 (FR/FRLSH/LSZH) coated cables in 1.5 mm and 2.5 mm sizes, up to 61 cores.

Cables are made in accordance with IS: 1554 (Part-1)/IS: 7098 (Part-1)/IEC: 60502 (P-1)/BS: 5467, as well as client specifications.



AERIAL BUNCHED CABLES

TORTEK LT AERIAL BUNCHED CABLES are utilised to distribute power from various electrical companies and suppliers to individual customers. Because these cables are lighter, they are easier to place on poles.

Overhead power lines containing numerous insulated phase conductors packed tightly together, generally with a bare neutral wire, are known as LT Aerial Bunch Cables. To produce the aerial bunched cable, XLPE/Black HDPE insulated aluminium conductors are placed together (twisted) around an aluminium alloy/ACSR conductor insulated or bare messenger wire.

Ridges are supplied on the insulation of phase conductors: one for the first phase, two for the second phase, and three for the third phase. If necessary, the neutral phase may contain four ridges.

These cables are built of electrical grade aluminium with H2/H4 grade conductors that correspond to IS: 8130, while the messenger conductor is made of aluminium, silica, and magnesium alloy with XLPE insulation.

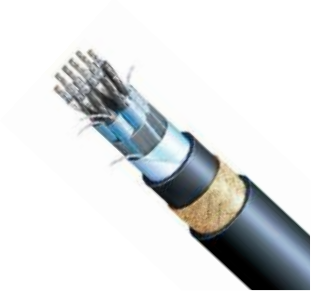
Cables are constructed in accordance with IS: 14255, IS: 398, IEC 228, BS: 60502, HD: 626, NFC: 33-209, and client specifications.

Our Products

INSTRUMENTATION CABLES

TORTEK INSTRUMENTATION CABLES are used in process plants to link instruments so that they can communicate with one another. They are excellent at controlling and supervising process instrumentation and equipment, as well as numerous communication, network, and digital control systems. They are intended to send signals without interference. They often work in industrial plants like refineries or petrol deposits, steel mills, or other manufacturing operations. They may be screened, armoured, and arranged in pairs, triads, quads, and so on.

On the basis shielding the cables are further categorized into:



INDIVIDUAL AND OVERALL SHIELDED CABLES

Conductor, Extruded PE/PVC/HR-PVC/XLPE Each pair/triad is set up and shielded separately with Mylar/Drain Wire/AI-Mylar before being laid up together overall shielded with extruded HDPE/PVC(FR/FRLS)/LSZH in accordance with BSEN:50288-7/BS:5308(P-1& 2) / IEC:60189/VDE:0207.

OVERALL SHIELDED CABLES

Stranded / Solid Copper Conductor, Extruded PE / PVC / HR-PVC / XLPE Insulation, Core / Pair / Triad / Quad set up in conjunction with overall shielded with Mylar / Drain Wire / AI-Mylar,Inner encased extruded PE / PVC (FR/FRLS) / LSZH, Unarmoured / GI Steel round Wire

FIRE SURVIVAL CABLES

Fire Survival Cables are made with Glass Backed Mica Tape put over the conductor and are used in applications that need circuit integrity during a fire, such as fire alarm systems. It is especially appropriate for use in public buildings and construction (such as hospitals, theaters, shopping malls, tunnels, mass transit railways, oil and 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 outage caused by a fire.

The performance of the cable under fire condition is specified in several international standard as follows:

Flame Propagation: IEC 60332-1, BS EN 60332-1
Flame spread: IEC 60332-1, BS EN 60332-3
Fire Resistance: IEC60331, BS 7846
Acid Gas emission test: IEC 60754, BS EN 50267
Determination of Acidity: IEC 50754, BS EN 50267

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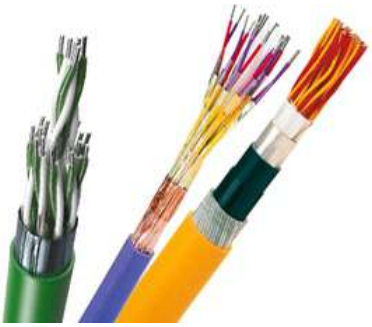
THERMOCOUPLE EXTENSION & COMPENSATING CABLES

Instrumentation cables and thermocouple cables are the same thing. These cables are used to link thermocouples to control and measurement instruments (pyrometers, for example) that may be located in separate control rooms. The thermoelectric characteristics of the conductors utilised in these cables are identical to those of the thermocouples used for temperature sensing.
Thermocouple extension and compensating cables are normally designed and produced in accordance with BS EN 50288 (previously BS 5308), EIL 6-52-45, ANSI MC 96.1, IEC 60584, IS 8784, and generally in accordance with IS 1554-1, IS 7098, and IEC 60502-1.



TELEPHONE CABLES

Telephone cables are suggested for usage in high-rise buildings, offices, industries, hotels, and residential complexes, among other places. Twisted pair cables are most commonly used in telephone cabling applications. The conductor is comprised of electrolytic grade, high conductivity, solid annealed bare copper. The conductor is insulated using color-coded special grade high-density polyethylene. The insulated cores are twisted with uniform lay to produce pairs and bunched together in such a way that cross talk is minimised. The cable is jacketed in grey, specifically formulated fire retardant (FR) PVC with a high oxygen and temperature index.

Tortek created two types of telephone cables: unarmoured cable and armoured cable.

COMMUNICATION CABLES - RS 485

RS 485 communication lines are used in the telecommunications industry. These cables are built to industry standards with high-quality raw materials and cutting-edge technology. In addition, we inform our customers that these cables have been tested against a number of quality measures to ensure their quality.
The PVC/PE/Cellular PE Insulated RS 485 Communication Cable is composed of annealed bare or tinned high conductivity copper and is insulated with PVC/PE/Cellular PE Insulated. Twisted insulated cores form a pair, which is stacked in sub-units or units in concentric layers. Tapping is done in pairs and is covered by a PVC sheath. As needed, individual and/or general shielding using aluminum-mylar tape, copper tape, lapping, or braiding is provided. Armouring has an extruded inner PVC/PE sheath and, depending on the application, an overall tape/lapping/braiding. Armouring with an extruded inner PVC/PE sheath and an overall PVC/PE sheath where necessary.

CLIENTELE

DOMESTIC CUSTOMERS

HINDUSTAN ZINC LIMITED

DCM SHRIRAM

GE

TATA PROJECTS

India Glycols Limited

ANDRITZ Hydro

adani Solar

TATA POWER

Sterlite

SUNFLAG STEEL

JINDAL STEEL & POWER

Mittal CORP LIMITED

imfa
Indian Metals & Ferro Alloys Limited

ACME

DILIP BUILDCON LIMITED
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एन एच पी सी NHPC

बी एच ई एल BHEL

Kanpur Electricity Supply Company Limited
A GOVERNMENT OF U.P. UNDERTAKING

NPCL

गेल GAIL

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ATOMS IN THE SERVICE OF THE NATION

हिन्दुस्तान पेट्रोलियम HP

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ऑयल इंडिया लिमिटेड
Oil India Limited

इंडियनऑयल
IndianOil

दिल्ली मेट्रो रेल कॉरपोरेशन लिमिटेड
Delhi Metro Rail Corporation Limited

सी पी सी एल
CPCL

भेकोन
ISO 9001 Company

पी डी आई एल
PDIL

HPPTCL

JPDCL

KPDCL

एन एफ एल
NFL
National Fertilizers Limited

राष्ट्र की सेवा में परमाणु
यू सी आई एल
UCIL
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MSPCL

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Central Coalfields Limited
(A subsidiary of Coal India Limited)

PWD

HPGCL

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Empowering The Armed Forces

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TORTEK
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COME VISIT US AT

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