

## About Us



Established in the year 1993, Relemac Technologies Pvt. Ltd. has positioned itself geographically as a renowned name in design and manufacturing of high-bandwidth Cables for telecommunications. We are one of the world's largest manufacturers of Instrumentation Signal Cables, Building Wires, Control Cables, Co-axial Cables, Multi Core Cables, XLPE Power Cables, PTFE Wires, Thermocouple Extension Cables, Telephone Cables, Computer/Shielded Cables, Special Application Cables etc. We also have expertise in customized cables.

Relemac was initially formed as a proprietorship firm under the name of Reliance Cables, with prime business activity of manufacturing Building Wires, Copper/Aluminum Wires and Coaxial Cables. As a part of the growth curve, we established many subsidiaries / sister concerns under the name of "Relemac India", "Vivek Tar Udyog", "Telescope Impex" and "Relemac Cables".

April 2008 saw a merger of all our companies in a single conglomerate "Relemac Overseas Inc." assimilating the huge untapped market, the company ventured into Import and Export. With a relative success into this venture, the firm was converted into a Private Limited Company under the name of Relemac Technologies Pvt. Ltd. in April 2010. Currently, the company manufactures a variety of cables namely Low Tension (LT) Power Cables, Building Wires, Control and Instrumentation Cables and other speciality cables.

## Clientele

FOLLOWING ARE SOME OF OUR REPUTED CUSTOMERS

- MINISTRY OF DEFENSE
- MINISTRY OF COMMUNICATION
- DEFENSE RESEARCH & DEVELOPMENT ORGANISATION
- BHARAT ELECTRONICS LIMITED
- NTPC
- NPC
- ECIL
- BARC
- INSTRUMENTATION LIMITED
- ISRO
- ISTRAC
- HMT
- ABB
- L&T GROUP
- LANCO GROUP
- ACME
- ABENGOA
- TATA
- ESSAR
- ADITYA BIRLA GROUP
- SIEMENS GROUP
- HINDALCO
- VEDANTA GROUP
- JINDAL GROUP
- ONGC
- GMR

## CERTIFICATIONS





# Infrastructure & Lab Facilities

The manufacturing unit is regularly upgraded by modern machinery & latest facilities. For Relemac, customer is the prime focus. It has been the ambition of the company always to set their aims lofty high on the pillars of hard work, dedication, quality & customer concern. Numerous impressive projects have been successfully handled by Relemac with its well equipped infrastructural setup. Be the task of manufacturing, engineering, testing or commissioning every task gets accomplished at our unit with latest contemporary processes along with best quality raw material.



# PRODUCTS

Domestic Cables | Submersible Cables | XLPE Cables | Coaxial Cables | Fire Survival Cables | Power & Control Cables  
PTFE Cables | Lan Cables | Fibre Optical Cables | Telecommunication Cables | Rubber Cables | Instrumentation Cables



## Domestic Cables

Relemac Technologies Pvt. Ltd. is one Building wire manufacturer that consultants, architects and builders never worry about. We are one of the most recommended brands and are used by professionals who want the best both inside of India and throughout the world.

Energy Efficient Wires Range 0.75 sq.mm to 16 sq.mm with different Insulation properties.

## Submersible Cables

Pvc Insulated & Sheathed 3 core flat & 4 core round submersible cables are ideal for usage in submersible pumps in deep wells for irrigation (Direct Burial), Drinking water supply, Industries, Mines, fountains. Our company is the manufacturer of a wide range of flat submersible cables as per ISI 694:1990, which are one of the best products offered by the company to its clients.

Flat: 3 Core x 1.50 sq.mm to 95 sq.mm, Round: 3 Core and 4 Core x 1.5 sq.mm to 120 sq.mm in Class5 copper conductors with PVC/XLPE Insulation and PVC/PVC ST2 sheathing properties.



## XLPE Cables

Relemac Technologies has developed special grade XLPE insulated cables (up to 1100 Volts). This is a thermo set type of polymer enriched with cross linking agent. This is extruded over the conductor using modern extruders and is thoroughly cross linked under controlled conditions. This XLPE insulation overcomes the drawbacks of PVC hitherto extensively used as an insulating material, without losing any of PVC's desirable properties.



## Co-axial Cables

Range: RG 59 F, RG 6 F, RG 6 CCS, RG 11 F and RG 11 F CCS – Nitrogen Gas Injected polyethylene foam insulation, composite Al foil laminated and Al-alloy braided for low attenuation with minimum structured return loss under extreme weather conditions to give excellent signal quality giving clear reception on higher bandwidth covering more than 200 Channels.



## Fire Survival Cables

Relemac has added a special range of fire survival cables to their product range that are designed to continue to operate for a defined minimum period of time in case of fire including water spray & mechanical shock.

Stranded Copper Conductor covered with layers of Mica Glass Tape, EPR / XLPE / Silicon / FR-XLPE insulated, cores laid up, extruded FRLS / LSOH inner sheathed, Unarmoured / GI Armoured, extruded FRLS / LSOH Outer sheathed Fire Survival Cables generally conforming to IEC 60331, BS 7846 & BS 6387 category CWZ.



## Power & Control Cables

Control Cables: Control Copper Cables, Solid / Stranded conductor, PVC / XLPE Insulated, cores laid up, PVC / FR / ST2 / FRLS / LSZH taped / extruded inner sheath, Unarmoured / Armoured, extruded PVC / FR / ST2 / FRLS / LSZH sheathed cables from 2 to 100 Core in 1.5, 2.5 sq.mmas per IS 1554/IS 7098 (Part 1) 1988 and generally conforming to IEC 60502-1 / BS 5467 / BS 6724.

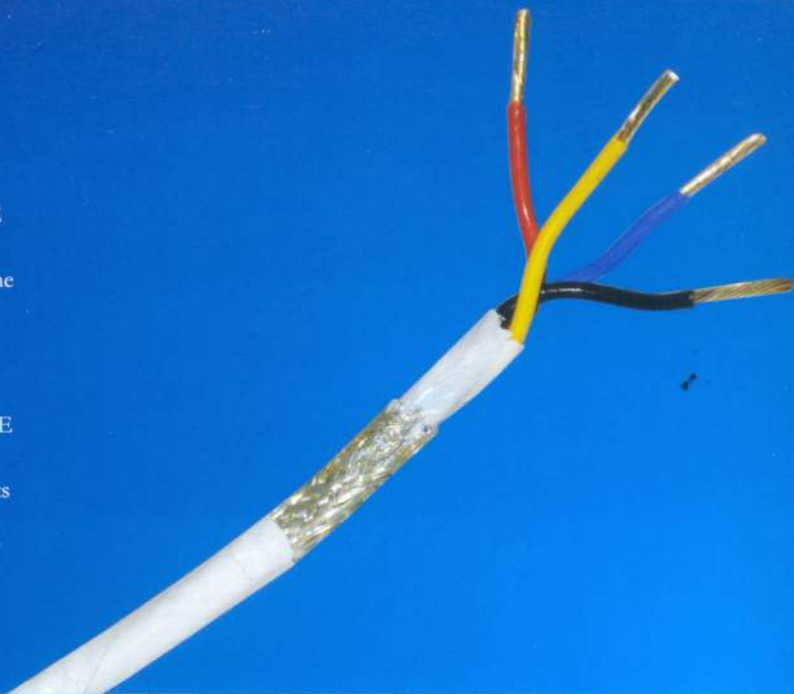
Power Cables: Power Copper / Aluminium Cables, Solid / Stranded conductor, PVC / XLPE Insulated, cores laid up, PVC / FR / ST2 / FRLS / LSZH taped / extruded inner sheath, Unarmoured / Armoured, extruded PVC / FR / ST2 / FRLS / LSZH sheathed cables from 2.5 sq.mm to 1000 sq.mm and in 2/3/3.5/4 core as per IS 1554 / IS 7098 (Part 1) 1988 and generally conforming to IEC 60502-1 / BS 5467/BS 6724.



## PTFE Cables

We bring forth for our clients an excellent range of PTFE Cables, which conform to the different Indian and International industry standards. These PTFE Cables come in a wide range including Hook-Up Wires, Co-Axial / Triaxial Cables, Multi - Core Cables and Floor Heating Wires.

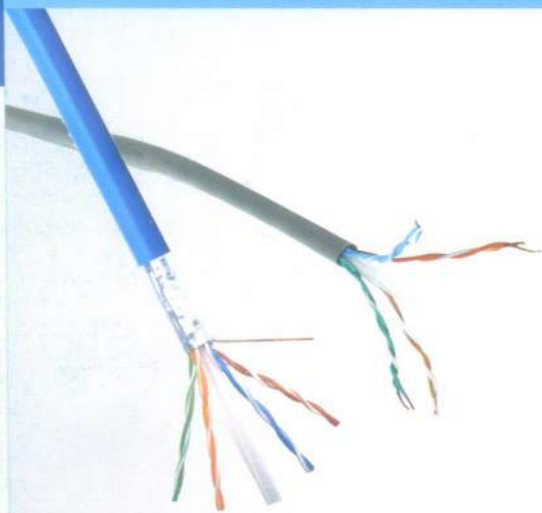
We manufacture special types of Electrical Parts like PTFE insulated wires, Multicore Cables, RF Co-axial Cables, heating wires and sleeves to meet the specific requirements of the defence, telecom, aerospace and instrumentation industries.



## Lan Cables

Enhanced performance cables for transmission of high speed data, digital and analogue voice and video (RGB) signals of LAN's. Supports Gigabit Ethernet standards (1000 base T). Operates at bandwidth upto 100 MHz for CAT-5e and 250 MHz for CAT-6e. The cable meets the requirements of EIA / TIA 568 B.2 and ISO-11801.

Range: Cat 5e & Cat 6 – Twisted Pair, Insulated with High Quality Polyethylene and Unshielded Light Grey PVC Jacket with Improved Fire Retardant properties, Low attenuation & crosstalk and Low Structural return loss.



## Fibre Optical Cables

- Optic Fibre Cables
- Single mode/Multimode
- Duct (unarmoured), Armoured ( Direct Buried) & Self Supporting Aerial construction
- Special construction for specialised applications viz steel wire armoured, FRP stranded (rodent resistant, pultrusion equivalent)
- Uni-tube & Multi-tube Construction
- 2 Fiber upto 512 Fiber Cables
- Low Halogen Sheath Cables



# Thermocouple and Compensating Cables

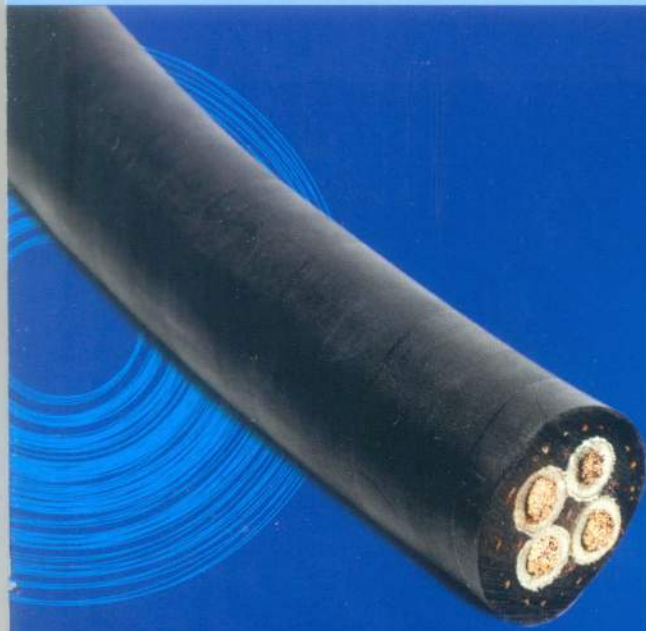
**Thermocouple Cables:** Different metal pairs generate different emfs which is proportionate to the hot junction and the point where it is measured. Common combination of thermocouple metals and their applications are :

- 1) K-Chromel / Alumel-Most commonly used,
- 2) T-Copper / Constantan-for low temperature & cryogenic applications,
- 3) J-Iron / Constantan-Used in reducing atmosphere,
- 4) E-Chromel / Constantan-Highest EMF output,
- 5) R-(Platinum-13% Rhodium) / Platinum & S-

(Platinum-10% Rhodium) / Platinum-Very High Temperature measurements,

- 6) B--(Platinum - 30% Rhodium) / Platinum-Mainly used in glass industry. Different colour codes of cores and sheathing as per international practices are used to denote the various thermocouple cables.

**Compensating Cables:** Extension Leads of different metals but having similar EMF output between 0°C to 100°C connected between Thermocouple metals junction and the measuring instruments are called Compensating Cables which are generally recommended as solid conductor leads.



## Rubber Cables

In keeping with the company's commitment to technological advancement, elastomer materials such as Polychloroprene (PCP), Chloro - Sulphonated Polyethylene (CSP), Nitrile Rubber / PVC Blends, Ethylene Propylene Rubber (EPR), Ethylene Vinyl Acetate (EVA) and Silicone have been specially compounded to meet numerous heat oil and fire resisting requirements.

Range: 1C to 61 cores from 0.50 sq.mm up to 2.5 sq.mm and sizes 0.5 sq.mm to 630 sq.mm – Annealed tinned Copper conductor-Class 5, Melinex taped Ethylene Propylene Rubber / Silicon insulated, Polychloroprene HD HOFR PCP / CSP / Silicon rubber sheathed 1.1 kV grade, Fire Retardant, oil and ozone resistant, heat resistant.

## Instrumentation Cables

Relemac Technologies is a world leader in both design and manufacturing of individual and overall Shielded Cables.

Stranded / Solid Copper Conductor, PE / PVC / HR-PVC / XLPE / Silicon / FR-XLPE Insulated each Pair / Triad laid up shielded individually with Mylar / Drain Wire / Al Mylar, all Pairs / Triads then laid up together overall shielded with Mylar / Drain Wire / Al Mylar, PE / PVC / FRLS / PVC ST 2 / LSOH Inner sheathed Unarmoured / GI Steel round Wire / Strip / GI Steel Wire braided (Armoured), PVC / FR / FRLS / PVC ST2 / LSOH Outer Sheathed from 2 Pair / Triad to 61 Pair / Triad in sizes 0.5 sq.mm to 2.5 sq.mm.

