

PTFE cables



PTFE Equipment Wires



PTFE cables have outstanding Mechanical & electrical properties, these are heat resistant, Its properties qualify them for an ever widening range of wiring applications ,they are used in many situations, where temperatures are of + 180⁰C and above or where temperatures are below Minus 40⁰C.In most adverse uses, where chemical fumes and liquids would render all other cables useless.PTFE is the most well known and durable polymer and has been used in the

cable industry for many years.Its outstanding dielectric properties, even at elevated temperatures, make it most suitable for insulation of cables

PTFE Multicore Cables

RJ PTFE manufactures a wide variety of multicore cables, for use in instrumentation of power projects, chemical & fertilizers, steel plants & various other type of Engineering industries.The multicore cables are available in unshielded twisted cores and PTFE Jacketed and Shielded twisted cores/ twisted pairs and overall PTFE jacketed cables.Shield is provided to prevent electrostatic interference, it keeps external electrical disturbances away for affecting the signal and eliminates the unwanted transfer of signal between circuits of same cable such as cross talk.For short distances having low speed digital data transmission unshielded cables, twisted multicore or multi-pair can be used.These multicore cables are the connecting link between the central instrumentation and various transducers.



Compensating & Extension (Thermocouple Cables)



Compensating cables are indispensable for precise temp. measurement at remote measurement points, they serve as extension leads from the thermocouple sensor to the measuring instrument.Compensating cables are made from metallic materials having similar thermoelectric properties as the thermocouple in use, the extension wires are made with similar material as of thermocouple element and are expensive, but cheap alloys of different combinations

having milli-volts (e.m.f.) matched as closely as possible to the thermocouple at ambient temperatures to thermocouple are compensating wires. We supply insulation and sheathing to meet the various applications, there is a choice of PVC, Asbestos, Silicon, Fibre-glass, PTFE having screen of Stainless steel, Tinned plated, Copper wire or silver plated copper wire.

RF-Coaxial Cables



High frequency transmission of signals in computer complexes, industrial electronics & maintenance is being done with the help of Co-axial cables.Because of its wide electrical, Mechanical and thermal properties, Co-axial cables are the solution of most diverse application problems especially in the sector of high frequency technology. The Co-axial

cable type RG were originally developed for Military applications. They meet the requirements of American Military regulation MIL-C-17, because of their internationally acclaimed constant high quality, they are today employed through out the whole field of H.F. Technology.

PTFE Electrical Sleeveings

PTFE Sleeveing is available as per the requirements of Indian Defense Standard JSS 54802 (LCSO approved) The Sleeveings are made by tape wrapping and sintering process with colours Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White, Pink, Natural & several colour combinations of above.PTFE Electrical Sleeveings can withstand, 1) Operating temperature from -65⁰C to +260⁰C.2) Resistant to flame, hydraulic fluids, chemicals, aircraft & rocket fuel, even at elevated temperatures.



PTFE High Voltage Cables (Corona Resistant)



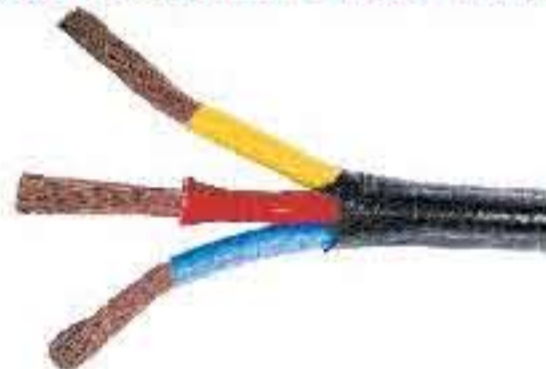
There are applications when high voltage is applied at elevated temperatures, PTFE insulation is most suitable, which has stable dielectric properties upto 250⁰C.Some standard sizes having specially formulated PTFE with Corona Resistant features, shows excellent results at high voltage.

PTFE Heaters

PTFE Insulated Heater wires find a large number of applications in process industries these are available in wire or coil form, for a fixed resistance value per meter. Various type of heating solutions for process heating upto 200⁰C can be designed with these heaters.



High Temperature Power Cables



These cables are designed to work with high current loads at high temperature environment conditions, such as wiring of furnace heaters, ovens and Industrial wiring under harsh working conditions. Conductors are made of fine multi-strand Bare/Silver Plated copper strands, PTFE insulated for 600 V / 1000 V working voltage grade, having suitable insulation thickness, which can bear the mechanical load of heavy conductor, overall fiber glass braided & silicone varnished to provide surface protection to inner dielectric for extra mechanical stability. It can be further braid armored with stainless steel wire or tin

plated copper wire.RJ Wires & Cables manufacture both Single & Multi-core power cables.Basic Cores are insulated with PTFE for 600 V working grade laid up and PTFE Jacketed overall fiber glass braided with silicone varnish or stainless steel braided for mechanical protection, However combination of both FG and SS can also be given.

RJ-Gold Teflon Fire Safety Wires

These cables are suitable for domestic and industrial wiring of building and electrical installations.These Cables are designed for high cost and Sensitive installations where fire from electrical short circuits may cause damage to human life & property.Most useful for Building wiring of hotels, restaurants, computer rooms, multi-storied buildings, commercial buildings like cinema halls, hospitals, industrial wiring, showrooms etc. These cables have fine strands of pure electrolytic grade copper with a shower of PTFE wrapping & sintered and overall high Heat resistant PVC (105⁰C) coated. (HR PVC)



Cable Harness & Cable Assemblies



Ready to Install Cable Harness are most economical, saves lot of time and money and wastage at user end.These cables are made as per customers own requirements and drawings, stripped, fitted with end connectors at given lengths, sealed with Heat shrinkable sleeves, for mechanical stability, tested for reliability.A ready made cable Harness with all necessary terminals connectors & other components can be installed easily, with no possibility of failures.