

# Low Tension Cables, LT Power Cables Manufacturing Industry

## Description:

### Low Tension Cables, LT Power Cables Manufacturing Industry. Industrial LT Cables Production Business

LT Cables or Low Tension PVC Cables are defined as per IS 1554 Part I having voltage grade up to 3.3kv.

LT Cables designed to be used underground directly, buried in ducts, trenches or in tunnels for electric power transmission, are used in many applications including:

- Infrastructure
- Industries
- Power Generation
- Automation
- Lighting
- Sound and security
- Video surveillance
- Fire alarm

Some LT cables with Special Fire Properties are used in Oil, Gas and Petroleum Sector and in application areas where fire safety is of critical importance.

Low tension cables are used for transmitting the voltages below than 1 KV. Because the cable is not prone to any special electrostatic stress its construction is kept normal. Even the insulation is very simple in which a paper is impregnated using oil. Its viscosity increases by applying the resin and it also avoids damage. Over the outer sheath layer, there is another layer which keeps the cable protected from moisture and any environmental damage.

**There are two more types of low tension cable which are as follows.**

#### •Single-Core Cable

A stranded circular core which is insulated with lead sheath. The lead sheath prevents any moisture penetration in the cable. Above the lead sheath, there is another layer which prevents the metal from corrosion. In these cables, no armoring is done during its manufacturing because the armor becomes a reason of excessive loss.

#### •Multicore Cable

A three core cable insulated with each other. The strands of the conductor are either circular shaped, oval or section-wise these are insulated using impregnated paper. Similar to the single core cable, the insulation is provided on each belt of the core. This outer covering prevents the penetration of moisture in the cable. A coating of lime water is also provided on the outer layer to avoid the cable to act adhesive.

**For more details download PDF file.**

**Keywords:** Low Tension Cables, LT Power Cables, LT Cable, Manufacturing of Cables, Cables Manufacturing Process, Wire and Cable, Cable Manufacturing, Profitable Business Ideas in Wire & Cable Manufacturing industry, Low Tension Cables Manufacture, Electrical Cables, Low Tension Cable Production, Low Tension Power and Control Cables, Low Tension Power Cable, Manufacturing of Low Tension Cables, Electrical Cable Manufacture, LT Cable Manufacturing Business, LT Cable Production, Power Cable Manufacture, Cable

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