

Manufacturing of Aluminium Cables and Conductors from Molten Aluminium Metal

Description:

Manufacturing of Aluminium Cables and Conductors from Molten Aluminium Metal, Aluminium Ingots. Profitable Aluminium Downstream Business Ideas, Projects & Opportunities

Aluminium cables are used across various industries and markets. Aluminium cables often are used to connect wind turbines to the grid, and this is a relatively new and high-growth application sector. The weight of aluminium; it is much lighter in weight as compared to copper while maintaining the same conductivity.

Aluminium cables can often be found when dealing with electricity, because of their high conductive nature. These cables are ductile, light weight, non-magnetic and are perfect for heavy-duty applications. It is also ecofriendly since Aluminium can be recycled. These cables are used in motors, electric lights and even telephone lines.

Being light in weight is an important property of aluminium. This has made aluminium cables the most used cables in projects where weight is the main focus like constructions with load-bearing purposes.

Power sector is the biggest driver in the mainstay of cable demand, accounting for more than three-quarters of the market. Telecom cables are confined to the relatively narrower domain of the health of the global information, communications and technology (ICT) domains. For the industry, the current focus is to supply cables for specific applications, pertaining to the industry needs. Sectors like oil and gas, metro, cement industry and steel industry have a lot of growth potential.

Aluminum Conductors are produced through electrolytic refining of aluminum. Generally, these conductors contain about 99.5% of aluminum and are made up of one or more strands of aluminum wire depending on the end-use application requirement. These conductors are primarily used in the T&D sector for various applications such as overhead line applications. Aluminum conductors are known for their tensile strength, corrosion resistance, and shock proof properties. These conductors are widely used in urban areas for short space applications.

For more details download PDF file.

Keywords: Aluminium Conductors Manufacturing Plant, Aluminium Conductor Manufacture, Manufacturing of Aluminium Conductors, Aluminum Rods Bare Conductors and Cables, Aluminium Conductors, Aluminium Conductors AAC, AAAC, ACSR, Industrial Unit of Aluminium Conductor Production Factory, Aluminium Conductor Steel Reinforced, Manufacturing Aluminum Conductor Wires, Cable and Conductor Manufacturing, Conductor Manufacturing Unit, Aluminium Conductor Plant, Aluminium Alloy Conductor (AAAC), ACSR Conductors Manuf

Created At: 23 Jun, 2018