

TAL (*Thermal Aluminium Conductor*)

Standard Specification :
JEC C 3406

Cross Sectional Area :
240 – 2500 mm²

Application :

TAL is mainly used as bare overhead transmission cable where there is a need to transmit higher power but restrictions on getting new power corridors approved. It is also suitable for laying across basins, rivers and valleys where special geographical features exist.

Features :

TAL Conductors are very similar in construction to a conventional AAAC conductor but the EC Grade Aluminum wires are replaced with Hard Drawn Aluminum wires of Heat Resistant Aluminum Alloy. TAL can be safely operated continuously at 150°C enabling to pump more current through the conductor. Where there is a need to transmit higher power but restrictions on getting new power corridors approved, various types of TAL conductors are one of the best creative solution options to utilities. Ability of the Zirconium doped aluminum alloy to maintain its electrical and mechanical properties at elevated temperatures makes these conductors a very cost effective solution in refurbishing the existing lines with enhanced capacity.

Special features :

- High Current carrying capacity
- Stable at elevated temperatures
- Good mechanical properties
- Economic design
- Best suited for enhancing the existing line capacity where additional power corridors are not feasible.

Standard Packing

10 - 95 sqmm supplied in wooden drum @ 2000 m
> 95 sqmm supplied in wooden drum on available length
Length Tolerance per drum $\pm 2\%$