

Indelec Lightning Carrier

The function of the Indelec Lightning Carrier is to safely conduct the high voltage lightning energy from the ESE Air Terminal to earth without side-flashing and electrification of structure. The Indelec Lightning Carrier consists of a rubber filler, stranded inner copper conductor, insulator, stranded outer copper conductor and protective sheath. All concentrically arranged and are insulated from one another and from the structure. The design together with special termination enables it to reduce self-inductance and side flashing.

The Indelec Lightning Carrier is manufactured with low smoke, halogen free and flame-retardant materials according to IEC 60332 Standard. Its insulation layers have passed the IEC 608112-1: Standard for hot set test. The protective sheath is also nonconductive, and UV rated making it very safe and suitable for indoor and outdoor installation.

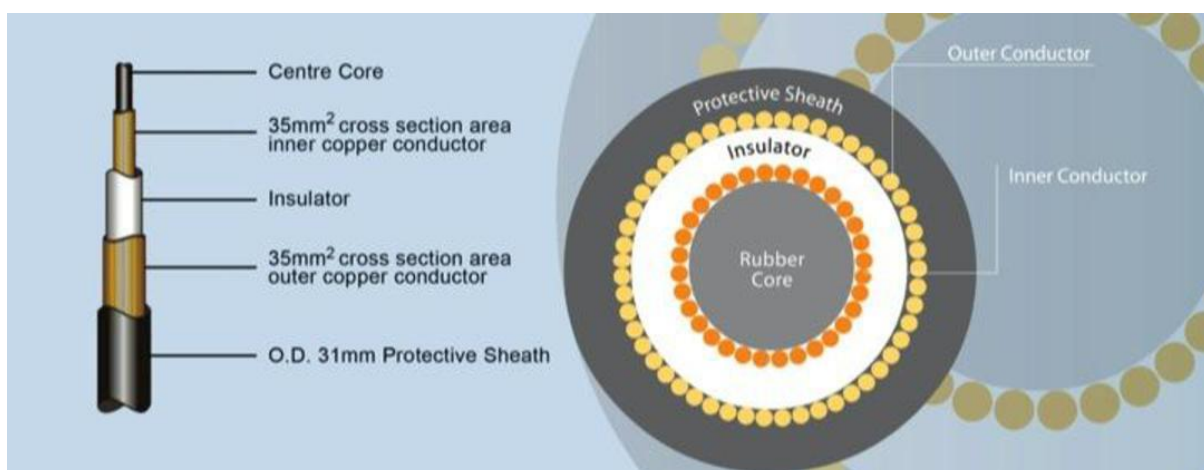


Figure 1: Design of Lightning Carrier Cable

Specifications

Model	Indelec Lightning Carrier
Type	Double Concentric Cu 2x35mm ²
Inner Conductor Size	35mm ²
Outer Conductor Size	35mm ²
Insulation Voltage between inner and outer conductor	250kV @ 1/50us based on IEC 230 Standard
Insulation Voltage of sheath	80kV @ 1/50us based on IEC 230 Standard
Insulating and Sheath Material	Flame-retardant, low smoke emission, halogen free, UV rated, non-conductive
Bending Radius	600mm
Size	31mm outer diameter
Weight	1.3kg/m