# ICALS - INSULATED ALUMINUM CONDUCTORS (UP 0.6 TO 1KV)

ICALS-120

## Description

Suitable for underground power supply distribution lines (buried directly or through ducts) or overhead on the consumer, aerial power supply systems, for power supply circuits, industrial power supply, commercial and residential power supply distribution. Consisting of a round compacted aluminum conductor, it has conductor class 2, available in 7, 19, 37 or 61 solid conductors, Its insulation is made of thermoset polyethylene type XLPE in black for 90ºC. It has a minimum tensile strength of 10,5KJ/mm² (according to NM-280 Class 2), operates at normal at 90ºC, 130ºC at overload and 250ºC at short-circuit.



## Datasheet

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| **Formation** | |
| No. of Wires | 19 RC |
| Diameter of Cable (mm) | 13,00 |
| Insulation Thickness (mm) | 2,40 |
| Outside Diameter (mm) | 17,90 |
| Nominal Weight (kg/km) | 440,00 |
| **Electrical Characteristics** | |
| Maximum Resistance to 20°C in DC (ohms/km) | 0,2530 |
| Maximum Electrical Resistance AC - 60Hz - 75ºC (ohms/km) | - |
| Inductive Reactance - 60Hz (ohms/km) | - |
| Capacitive Reactance - 60Hz (ohms/km) | - |
| Steady-State Current Capacity - 75ºC (A) | - |
| **Package** | |
| Reel Type | - |
| Nominal Length (m) | 1000 |
| Net Weight per Reel (kg) | - |
| Gross Weight per Reel With Packing (kg) | - |