

**ICALS - INSULATED ALUMINIUM CONDUCTORS**

ICALS-50

**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 90°C. It has a minimum tensile strength of 10,5KJ/mm<sup>2</sup> (according to NM-280 Class 2), operates at normal at 90°C, 130°C at overload and 250°C at short-circuit.



**Datasheet**

**Formation**

Número de Fios	7
Diâmetro do Cabo (mm)	8,30
Espessura da Isolação (mm)	2,00
Diâmetro Externo (mm)	12,40
Peso Nominal (kg/km)	187,00

**Electrical Characteristics**

Resistência Máxima à 20°C em CC (ohms/km)	0,6410
Resistência Elétrica Máxima CA - 60Hz - 75°C (ohms/km)	-
Reatância Indutiva - 60Hz (ohms/km)	-
Reatância Capacitiva - 60Hz (ohms/km)	-
Capacidade de Corrente em Regime Permanente - 75°C (A)	-

**Package**

Tipo de Bobina	-
Lance Nominal (m)	1000
Massa Líq. por Bobina (kg)	-
Massa Bruta da Bobina com Fechamento (kg)	-