

ICALS - INSULATED ALUMINIUM CONDUCTORS

ICALS-10

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/mm² (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) | 4,08 |
| Espessura da Isolação (mm) | 1,60 |
| Diâmetro Externo (mm) | 7,38 |
| Peso Nominal (kg/km) | 56,00 |

Electrical Characteristics

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|--|--------|
| Resistência Máxima à 20°C em CC (ohms/km) | 3,0800 |
| 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) | - |