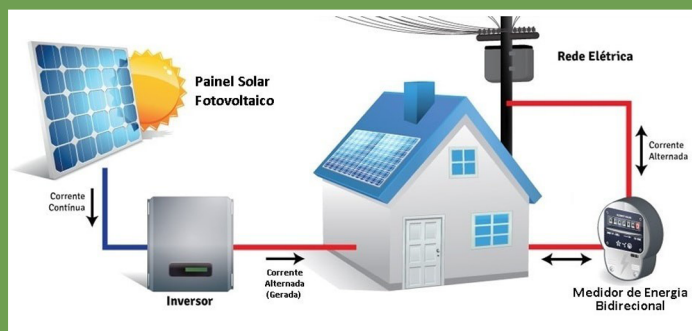


PHOTOVOLTAIC CABLES 1/1 kV C.A - 1,8 kV C.C

Technical description

This technical description defines the constructive data and electrical characteristics for photovoltaic cables isolated with halogen-free thermosetting compound, covered with halogen-free thermosetting compound, and resistant to U.V., in Red, Black and Green/Yellow colors, manufactured by REICON CONDUCORES ELÉTRICOS.

- Operation in ambient temperatures from -15°C up to 90°C ;
- Supports up to 20,000 hours of operation with temperature in the conductor at 120°C ;
- Protection against environmental actions (U.V rays; moist heat and ozone)
- Resistant to acid and alkaline solutions;
- Flame retardant property;
- Halogen free and low smoke emission;
- Excellent mechanical resistance





Photovoltaic Cable

Tension Class

1/1 kV C.A - 1,8 kV C.C

Conductor

Formed by tinned electrolytic copper wires, soft temper, according to NBR NM 280, stranding class 5;

Isolation

Composed of Halogen-free Thermosetting Compound;

Coverage

Consisting of thermofixed halogen-free compound, resistant to U.V;

Thermal Class

-40° a 90°C

Constructive Data

Section (mm)	External Diameter (mm)	Insulation Thickness (mm)	Coverage Diameter (mm)	External Diameter (mm)	Mass (kg/km)	RE á 20°C (Ω/km)
4,00	2,50	0,70	0,80	5,70	5,96	5,09
6,00	3,00	0,70	0,80	6,20	7,87	3,39
10,00	3,90	0,70	0,80	7,20	12,02	1,95

Normative References

NBR NM 280 - Insulated cable conductors (IEC 60228, MOD)

NBR 16.612 - Power cables for photovoltaic systems, non-halogenated, insulated, covered, for voltage up to 1.8 kv C.C between conductors - Performance requirements

Acondicionamentos

- Rolls, spools and reels
- Covered with halogen-free thermosetting compound, and resistant to U.V., in Red, Black and Green / Yellow colors



The information contained in this catalog may change without notice.



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