



CABLE AMPHESOLAR

CABLE AMPHESOLAR PV1,8 KV CC

BASED AT
ABNT NBR
16612

Cables Amphesolar are suitable for installations between the photovoltaic cell and the DC terminals of the photovoltaic inverter it meets the extreme requirements of photovoltaic uses.

CERTIFICATION



Conductors formed by tinned copper wires, stranding class 5, according to NBR-NM-280 and EC-60228, insulated with halogen-free thermosetting polyolefin compound, halogen-free, flame-retardant, thermosetting polyolefin compound with UV and weather resistance sheath.

DIMENSIONAL CHARACTERISTICS

Nominal cross-sectional area (mm ²)	Maximum diameter of wires in conductor (mm)	Nominal thickness of insulation (mm)	Nominal outer diameter (mm)
4.00	0.31	0.70	5.80
6.00	0.31	0.70	6.50
10.00	0.41	0.70	7.50

ELECTRICAL AND ENVIRONMENTAL CHARACTERISTICS

Characteristic	Value
Operating temperature (°C)	From -15°C to 90°C
Maximum conductor resistance at 20°C (Ω/km) to 4mm ² 10.00	5.09
Maximum conductor resistance at 20°C (Ω/km) to 6mm ²	3.39
Maximum conductor resistance at 20°C (Ω/km) to 10mm ²	1.95

The values not mentioned in the tolerance must be considered nominal. This document is the property of Amphenol Broadband Solutions. This content may not be copied or distributed to third parties.

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