



IT'S FLEX.
And it's aluminum.



NEW
MAXLINK AL FLEX

The first flexible aluminum cable
made in Brazil.

More practicality and productivity in your installation.

 **Condumax**[®]

ELECTRICAL WIRES AND CABLES

The lightness of aluminum in your pocket.

Maxlink Al Flex Cable 0,6/1kV

90 °C

Conductor

Aluminum wires, special alloy, flexible stranding.

Insulation

XLPE 90 °C - Polyethylene thermoset compound.

Sheath

Polyvinil Chloride thermoplastic compound, flame resistant.

UV PROTECTION AND REPEL* TECHNOLOGY AVAILABLE, ON REQUEST.

Marking

CONDUMAX MAXLINK AL FLEX 1 x (cross-section) mm² 0,6/1 kV AL/ XLPE/ST2 90 °C (manufacturing year).

Maximum operation temperatures

- 90 °C - continuous service.
- 130 °C - overload.
- 250 °C - short-circuit.

Application

The flexible aluminum conductor is used in fixed industrial power installations, also can be used in photovoltaic and low voltage underground lines, as well. Some advantages are space optimization and easiest installation, increasing productivity by reducing resources as time and people.

Applicable standards

NBR 7287 – Power cables with solid extruded cross-linked polyethylene (XLPE) insulation for insulation voltages from 1 kV to 35 kV.

NBR NM 280 – Insulated cable conductors.

NBR 6244 – Flame resistance test for electrical wires and cables - test method.

Dimensional and electrical datasheet

Nominal cross section (mm ²)	Conductor diameter (mm)	Insulation thickness (mm)	Sheath thickness (mm)	Outer diameter (mm)	Aprox. mass (kg/km)	Maximum electrical resistance CC at 20 °C (Ω/km)	Packing
							Drum (m)
16,00	5,3	0,7	1,0	8,7	92	1,91	1000
25,00	6,7	0,9	1,1	10,8	139	1,20	1000
35,00	7,8	0,9	1,1	11,9	172	0,868	1000
50,00	9,1	1,0	1,2	13,6	226	0,641	1000
70,00	11,0	1,1	1,3	15,9	312	0,443	1000
95,00	12,9	1,1	1,3	17,8	398	0,320	500
120,00	14,5	1,2	1,4	19,9	496	0,253	500
150,00	16,0	1,4	1,5	22,1	612	0,206	500
185,00	18,0	1,6	1,5	24,5	751	0,164	500
240,00	20,6	1,7	1,6	27,6	968	0,125	500
300,00	23,1	1,8	1,7	30,5	1193	0,100	500

*All data are nominal and tolerances predicted in the standards must be considered.

*Condumax Repel is a pioneer technology that repels rodents, termites and insects.

Access the QR Code and find out more!



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