

Maxlink AL Cable 0,6/1 kV - Multiple

NBR 7287

90 °C



Conductor

Formed by bare aluminum wires alloy 1350, temper H19, stranding class 2, round compact, meeting the requirements of the standard NBR NM 280.

Insulation

XLPE 90 °C - Thermosetting compound of cross-linked polyethylene, black in color.

Coverage

PVC ST2 - Thermoplastic polyvinyl chloride compound, flame resistant.

Identification

Numbered or colored black veins.

Maximum temperatures at the conductor

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

Implementation

Used in fixed power and lighting installations in industrial, commercial and residential buildings, in distribution and terminal circuits, and for underground low-voltage power lines. Their higher thermal class allows greater current-carrying capacity.

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 NM-IEC 60332-1 - Test methods for electric cables under fire conditions - Part 1: test on a single conductor or insulated cable in vertical position.

Construction Data*

Number of Conductors	Nominal Section (mm ²)	Conductor Diameter (mm)	Thickness Insulation (mm)	Thickness Coverage (mm)	Outer Diameter (mm)	Approx mass (kg/km)	Standard Packaging
							Coil (m)
2	10,00	3,7 rc	0,7	1,2	12,6	192,5	1000
	16,00	4,7 rc	0,7	1,2	14,7	267,6	1000
	25,00	5,9 rc	0,9	1,3	18,1	394,5	1000
	35,00	7,0 rc	0,9	1,4	20,4	509,5	1000
	50,00	8,1 rc	1,0	1,5	23,4	665,9	500
	70,00	9,7 rc	1,1	1,6	27,3	917,5	500
	95,00	11,4 rc	1,1	1,7	31,0	1195,8	500
3	120,00	12,8 rc	1,2	1,8	34,5	1484,7	250
	10,00	3,7 rc	0,7	1,2	13,4	224,0	1000
	16,00	4,7 rc	0,7	1,2	15,7	313,9	1000
	25,00	5,9 rc	0,9	1,4	19,5	452,4	1000
	35,00	7,0 rc	0,9	1,4	21,8	575,4	1000
	50,00	8,1 rc	1,0	1,6	25,2	765,5	500
	70,00	9,7 rc	1,1	1,7	29,4	1056,6	500
4	95,00	11,4 rc	1,1	1,8	33,3	1382,2	500
	120,00	12,8 rc	1,2	1,9	37,2	1721,1	250
	10,00	3,7 rc	0,7	1,2	14,6	264,5	1000
	16,00	4,7 rc	0,7	1,3	17,4	381,3	1000
	25,00	5,9 rc	0,9	1,4	21,5	548,9	1000
	35,00	7,0 rc	0,9	1,5	24,2	709,6	1000
	50,00	8,1 rc	1,0	1,6	27,7	933,0	500
	70,00	9,7 rc	1,1	1,8	32,7	1307,0	500
	95,00	11,4 rc	1,1	1,9	37,0	1711,9	500
	120,00	12,8 rc	1,2	2,0	41,2	2126,9	250

r c- round compact *Data subject to change without prior notice