

Maxlink G-Flex Cable 0,6/1 kV

NBR 7286

90 °C

Flexible Conductor

Made of electrolytic bare copper wires, soft temper, stranding class 4 (1.50 to 6.00 mm²) and class 5 (10.00 to 10.00 mm²). 400.00 mm²).

Insulation

HEPR 90 °C - Thermosetting compound based on ethylene propylene (high modulus), in black color.

Coverage

PVC ST2 - Thermoplastic polyvinyl chloride compound, flame resistant.

Identification

Black, Light Blue, Green.

Note: other colors, on request.

Maximum temperatures at the conductor

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

Implementation

Used in fixed power and light installations in industrial, commercial and residential buildings, in distribution circuits and in terminal circuits, and for underground low-voltage power lines where greater cable flexibility is required coupled with higher current-carrying capacity and longer life. Its higher thermal class (90 °C) allows for higher current carrying capacity than its PVC equivalent (70 °C).

Applicable Standards

NBR 7286 - Power cables with extruded ethylene-propylene rubber (EPR) insulation for 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*

Nominal Section (mm ²)	Conductor Diameter (mm)	Thickness Insulation (mm)	Thickness Coverage (mm)	Outer Diameter (mm)	Approx mass (kg/km)	Standard Packaging	
						Roll (m)	Coil (m)
1,50	1,5	0,7	0,9	4,6	30,8	100	2000
2,50	1,9	0,7	0,9	5,0	41,3	100	2000
4,00	2,4	0,7	0,9	5,6	56,8	100	2000
6,00	3,0	0,7	0,9	6,1	75,9	100	1000
10,00	4,1	0,7	1,0	7,7	122,9	100	1000
16,00	5,2	0,7	1,0	8,8	181,6	100	1000
25,00	6,5	0,9	1,1	10,5	269,8	100	1000
35,00	7,7	0,9	1,1	11,7	363,0	100	1000
50,00	9,2	1,0	1,2	13,7	509,2	----	500
70,00	11,0	1,1	1,2	15,7	707,1	----	500
95,00	12,6	1,1	1,3	17,5	915,2	----	500
120,00	14,2	1,2	1,3	19,4	1151,5	----	500
150,00	15,9	1,4	1,4	21,7	1430,4	----	500
185,00	17,5	1,6	1,4	23,8	1732,6	----	500
240,00	20,2	1,7	1,5	26,9	2266,4	----	500
300,00	22,5	1,8	1,6	29,7	2806,3	----	250
400,00	25,9	2,0	1,7	33,7	3687,5	----	250



*Data subject to change without prior notice