

Maxlink G-Flex Flat 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). 120.00 mm²).

Insulation

HEPR 90 °C - Ethylene propylene based thermosetting compound (high modulus).

Identification

Black, White, Red.

Note: other colors, on request.

Coverage

PVC ST2 - Thermoplastic polyvinyl chloride compound, black in color, flame resistant.

Maximum temperatures at the conductor

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

Implementation

Used in fixed power installations and equipment supply circuits (e.g. submerged pumps). Their highest thermal class (90 °C) provides a 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*

Number of Conductors	Nominal Section (mm ²)	Conductor Diameter (mm)	Thickness Insulation (mm)	Thickness Coverage (mm)	External Dimensions (mm)	Approx mass (kg/km)	Standard Packaging
							Coil (m)
3	1,50	1,48	0,7	1,1	5,03 x 10,78	90,35	1000
	2,50	1,91	0,7	1,1	5,46 x 12,09	123,28	1000
	4,00	2,43	0,7	1,2	6,18 x 13,83	174,42	1000
	6,00	2,98	0,7	1,2	6,73 x 15,48	234,54	1000
	10,00	4,09	0,8	1,3	8,29 x 19,76	381,81	500
	16,00	5,22	0,8	1,4	9,62 x 23,15	572,75	500
	25,00	6,48	0,9	1,6	11,48 x 28,15	858,81	500
	35,00	7,70	0,9	1,7	13,10 x 32,39	1176,96	500
	50,00	9,17	0,0	1,9	15,22 x 37,96	1657,09	500
	70,00	10,97	1,1	2,0	17,42 x 44,16	2284,51	500
	95,00	12,59	1,1	2,2	19,44 x 49,43	2947,76	500
	120,00	14,23	1,2	2,4	21,73 x 55,49	3740,70	500

*Data subject to change without prior notice