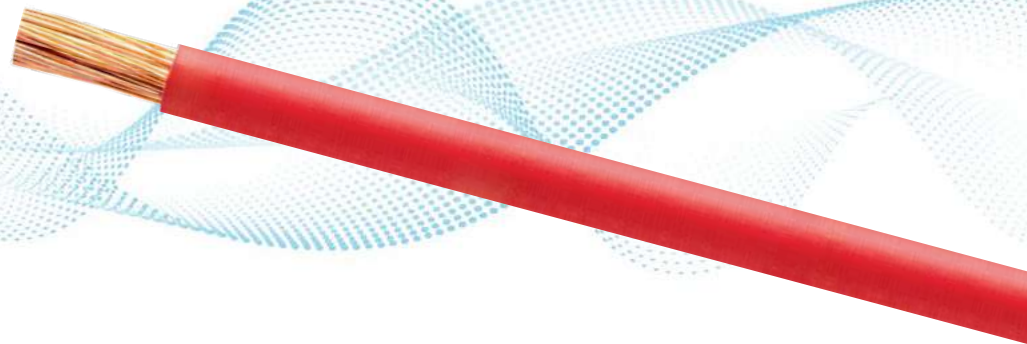


Flexible Flame-resistant Cable 450/750 V

NBR NM 247-3

70 °C



Flexible Conductor

Made of electrolytic bare copper wires, soft temper, stranding class 4 (0.50 to 6.00 mm²) and class 5 (10.00 to 10.00 mm², 300.00 mm²).

Insulation

PVC-A 70 0C BWF - Thermoplastic compound of polyvinyl chloride, with special characteristics as to the non-propagation and self-extinguishing of fire.

Identification

- 0.50 to 6.00 mm²: Black, White, Light Blue, Red, Green, Yellow, Gray, Brown, Green/Yellow.
- 10.00 to 300.00 mm²: Black, Light Blue, Green, White, Red.

Note: other colors, on request.

Maximum temperatures at the conductor

- 70 °C in continuous service.
- 100 °C in overload.
- 160 °C short-circuited.

Implementation

Used in residential, industrial and commercial indoor low voltage electrical installations, in supply, distribution and terminal circuits, offering greater safety because they are BWF type (resistant, flameproof), with greater ease of installation due to their flexibility, thus reducing installation time and cost. They are also used for internal wiring of panels, switchboards, cubicles and other applications where flexible cables are required.

Applicable Standards

NBR NM 247-3 - Polyvinyl chloride (PVC) insulated cables for rated voltages up to 450/750 V (bare insulated conductors).

NBR NM 280 - Insulated cable conductors.

NBR 6245 - Determination of the Oxygen Index - test method.

NBR NM-IEC 60332-3 - Test methods for electric cables under fire conditions - Part 3: Vertical flame spread test on vertically mounted conductors or cables in bundles.

Construction Data*

Nominal Section (mm ²)	Conductor Diameter (mm)	Thickness Insulation (mm)	Outer Diameter (mm)	Approx mass (kg/km)	Standard Packaging			
					Box (m)	Roll (m)	Reel (m)	Coil (m)
0,50	0,9	0,6	2,2	8,8	100	----	2700	----
0,75	1,1	0,6	2,3	11,1	100	----	2500	----
1,00	1,2	0,6	2,5	13,8	100	----	2100	----
1,50	1,5	0,7	2,8	19,0	100	----	1500	----
2,50	1,9	0,8	3,5	29,9	100	----	1000	----
4,00	2,4	0,8	4,0	43,2	100	----	700	----
6,00	3,0	0,8	4,5	61,1	100	----	600	----
10,00	4,1	1,0	6,1	105,7	----	100	----	1000
16,00	5,2	1,0	7,2	160,0	----	100	----	1000
25,00	6,5	1,2	8,9	246,8	----	100	----	1000
35,00	7,7	1,2	10,1	338,2	----	100	----	1000
50,00	9,2	1,4	12,0	486,5	----	----	----	500
70,00	11,0	1,4	13,8	669,1	----	----	----	500
95,00	12,6	1,6	15,9	887,9	----	----	----	500
120,00	14,2	1,6	17,5	1109,0	----	----	----	500
150,00	15,9	1,8	19,6	1387,9	----	----	----	500
185,00	17,5	2,0	21,7	1677,8	----	----	----	500
240,00	20,2	2,2	24,7	2202,0	----	----	----	500
300,00	22,5	2,4	27,5	2742,8	----	----	----	250



*Data subject to change without prior notice