Soldering Cable 450/750 V

NBR 8762

70 °C

Flexible Conductor

Made of electrolytic bare copper wires, soft temper, stranding class 5 (16.00 to 35.00 mm²) and class 6 (50.00 to 35.00 mm²). 150.00 mm²).

Insulation

PVC-A 70 °C - Thermoplastic polyvinyl chloride compound, black in color.

Maximum temperatures at the conductor

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

Implementation

Used to connect the output terminal of the power source to the electrode of the arc welding machine, they are also used in general installations where flexibility is decisive in the choice of cable.

Applicable Standards

NBR 8762 - Extra-flexible cables for arc welding machines and other applications.
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 crosssection (mm²)	Conductor Diameter (mm)	Thickness Insulation (mm)	Outer Diameter (mm)	Approx mass (kg/km)	Standard Packaging	
					Roll (m)	Coil (m)
16,00	5,0	1,8	8,6	186,7	25 ou 100	500
25,00	6,2	1,8	9,8	266,9	25 ou 100	500
35,00	7,4	2,0	11,5	372,9	25 ou 100	500
50,00	8,9	2,0	12,9	511,1	25	500
70,00	10,6	2,2	15,0	709,9	25	500
95,00	12,2	2,2	16,7	911,3	25	500
120,00	13,8	2,4	18,7	1165,2	25	500
150,00	15,6	2,4	20,5	1454,8	25	500

Data subject to change without prior notice

Current Conduction Capacity

Definitions

Load Factor: percentage of the duty cycle at which the cable conducts its rated current. Duty Cycle: by definition 5 minutes.

RATED CURRENT

Nominal crosssection (mm²)	Load Factor				
	100%	75%	50%	25%	10%
10,00	71	74	81	102	148
16,00	95	101	114	148	220
25,00	131	142	162	213	322
35,00	162	178	206	275	420
50,00	196	218	256	347	535
70,00	251	280	332	453	700
95,00	304	342	407	559	869
120,00	352	397	475	656	1021
150,00	406	460	552	764	1194