



## INNOVCABLE SOLDERFLEX RUBBER CABLE - NBR 8762 - 125°C



- 1) *Extra-flexible conductor, formed with electrolytic bare copper wires, soft temper, class 5 stranding.*
- 2) *Polyester tape separator.*
- 3) *Insulation in special CEAC™ elastomeric compound.*

### Identification

**INNOVCABLE SOLDERFLEX BORRACHA \_\_mm<sup>2</sup> 750V 125°C OF: XXXX/YEAR - COMPLIANCE WITH NBR 8762.**

### Applicable Specifications

**NBR 6251**

**NBR NM 280 - Conductors and insulated cables.**

**NBR 8762 - Flexible cables with cover for arc welding machines.**

**NBR 6245 - Determination of the oxygen index.**



***NBR NM 60332-3-24 - Vertical burning - bonfire.***

***NBR 5111 - Round section bare copper wires for electrical purposes - Specification.***

***NBR 5410 - Low voltage electrical installations. "It is recommended to observe the use and installation regulations."***

## Applications

***Developed for use in arc welding equipment, for connecting the output of the power source to the electrode holder, the Solderflex Rubber cable can be used in other applications that require extra-flexible cables. Due to their great flexibility, they allow small bending radii, enabling their use in places with reduced space and reducing the effort of the equipment operator.***

- Optimum flexibility;***
- Good resistance to abrasion, twisting and dragging;***
- Good resistance to solar Ultra Violet rays (UV), diverse climatic conditions and situations of extreme exposure to bad weather***
- Good resistance to cutting and crushing;***
- Good resistance to grease, oils, hydrocarbons and chemical agents.***
- Good resistance to heat - possesses excellent performance in high temperature conditions.***
- Good resistance to detergents, aqueous fluids, acids, bases, saline solutions.***
- Flame resistant.***

## Maximum Conductor Temperature

**CEAC™: 125°C**



## Notes

- We can produce on request several other cable options and configurations.
- It can be built in other colours.
- Innovcable reserves the right to change this catalogue without any prior notice.

DADOS DIMENSIONAIS						
SEÇÃO NOMINAL	CONDUTOR DIÂMETRO NOMINAL	ISOLAÇÃO ESPESSURA NOMINAL	DIÂMETRO EXTERN MÁXIMO	MASSA LÍQUIDA NOMINAL	AMPACIDADE (A)	ACONDICIO- NAMENTO PADRÃO (Carretel/m)
(mm <sup>2</sup> )	(mm)	(mm)	(mm)	(kg/km)		
CABO SOLDERFLEX BORRACHA						
10	4,6	1,8	8,5	147	101	1.200
16	5,4	1,8	9,3	206	137	900
25	6,5	1,8	10,4	294	182	750
35	7	2	11,4	398	226	900
50	8,9	2	13,3	555	275	750
70	10,3	2,2	15	750	353	600
95	11,6	2,2	16,3	962	430	800
120	14,7	2,4	19,9	1.228	500	700
150	16,5	2,4	21,7	1.499	577	550
185	19,2	2,8	25,2	1.895	661	800
240	21,9	2,8	27,9	2.398	781	600



## CAPACIDADE DE CONDUÇÃO DE CORRENTE

EM AMPÈRES, EM FUNÇÃO DO FATOR DECARGA

(% DE TEMPO NO QUAL O CABO CONDUZ SUA CORRENTE NOMINAL).

seção nominal (mm²)	CABO SOLDERFLEX				
	100%	75%	50%	25%	10%
10	71	74	81	102	148
16	95	101	114	148	220
25	131	142	162	213	322
35	162	178	206	275	420
50	196	218	256	347	535
70	251	280	332	453	700
95	304	342	407	559	869
120	352	397	475	656	1.021
150	406	460	552	764	1.194
185	463	526	632	879	1.375
240	546	621	750	1.045	1.638

Temperatura ambiente: 30°C

Temperatura do condutor: 125°C

Duração do ciclo de trabalho considerada: 5 minutos