



INNOVCABLE SOLDERFLEX PVC CABLE - NBR 8762 - 70°C



- 1) *Extra-flexible conductor, formed with electrolytic bare copper wires, soft temper, class 5 stranding.*
- 2) *Polyester tape separator.*
- 3) *Flexible PVC compound insulation.*

THIS PRODUCT'S DIFFERENTIALS.

- 100% virgin copper
- 100% electrolytic copper - 99.90% minimum pure (* including silver)
- High flexibility class 5
- Lower dielectric loss
- Lower ohmic resistance
- 100% Domestic

Identification

INNOVCABLE SOLDERFLEX PVC ___mm² 750V 70°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 PVC cable can be used in other applications that require extra-flexible cables. Due to its flexibility, it allows a small bending radius, enabling its use in places with reduced space and reducing the effort of the equipment operator.

- **Optimum flexibility;**
- **Weather resistant and with UV protection.**
- **Flame resistant.**



Maximum Conductor Temperature

PVC: 70°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	CONDUTOR	ISOLAÇÃO	DIÂMETRO	MASSA	AMPACIDADE	ACONDICIO-
NOMINAL	DIÂMETRO	ESPESSURA	EXTERN	LÍQUIDA		NAMENTO
	NOMINAL	NOMINAL	MÁXIMO	NOMINAL		PADRÃO
(mm ²)	(mm)	(mm)	(mm)	(kg/km)	(A)	(Carretel/m)
CABO SOLDERFLEX PVC						
10	4,6	1,8	8,5	145	81	1.200
16	5,4	1,8	9,3	204	110	900
25	6,5	1,8	10,4	292	146	750
35	7	2	11,4	395	181	900
50	8,9	2	13,3	552	219	750
70	10,3	2,2	15	746	281	600
95	11,6	2,2	16,3	958	341	800
120	14,7	2,4	19,9	1.222	396	700
150	16,5	2,4	21,7	1.493	456	550
185	19,2	2,8	25,2	1.886	521	800
240	21,9	2,8	27,9	2.389	615	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