

## ELFLEX

Cables for welding machines

PVC insulated cables for welding machines.



## TECHNICAL DATA

Nominal tension	450/750 V
Conditions of employment	For secondary side connection of powers sources for hand or automatic metal-arc welding for secondary voltage typical of welding equipment.
Type of electrical conductor	Flexible red copper
Type of outer sheath	TM2 (EN 50363-4-1)
Color of the outer sheath	Black
Operating temperature	-20° C   +70° C
Short circuit temperature	+160° C
Test voltage	2500 V
Cable marking	ELFLEX (sect) mm <sup>2</sup> CE
Minimum radius of curvature	For cables with diameter up to 12 mm: 5 times the max. outer diameter in case of non-constrained motion and 4 times in case of fixed installation For cables with greater diameter: 6 times the max. outer diameter in case of non-constrained motion and 5 times in case of fixed installation.

## REFERENCES STANDARDS

Self-extinguishing	EN 60332-1-2; IEC 60332-1-2
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## DIMENSIONS

Nominal section	Wires max diameter	Conductor diameter	Insulation thickness	Diametro isolamento ± 0,1	Minimum average external diameter	Medium outer diameter ± 0,2	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)	(kg/km)
1x10,00	0,31	NA	1,80	NA	NA	7,6	2,0000	7,60	96
1x16,00	0,31	5,40	1,80	NA	NA	8,7	1,0000	8,70	153.6
1x25,00	0,31	6,50	1,90	NA	NA	10,3	0,0000	10,30	240
1x35,00	0,31	7,60	2,10	NA	NA	12,2	0,0000	12,20	336
1x50,00	0,31	9,30	2,20	NA	NA	14,1	0,0000	14,10	480
1x70,00	0,31	10,80	2,40	NA	NA	15,6	0,0000	15,60	672
1x95,00	0,31	12,50	2,64	NA	NA	17,8	0,0000	17,80	912
1x120,00	0,31	NA	2,80	NA	NA	20,1	0,0000	20,10	1152

## CORES IDENTIFICATION

Cores number	Insulation colour sequence
NA	NA

Riferirsi alla serie standard CEI EN 50565 come guida all'uso dei cavi con tensione nominale non superiore a 450/750 V (U0/U) e alla norma CEI 20-92 come guida per la movimentazione ed il deposito delle bobine in legno per cavi elettrici.

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