

DUALFLEX

Cable for welding machines

PVC double 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	White, orange
Operating temperature	max +70° C
Short circuit temperature	+160° C
Cable marking	DUALFLEX (sezione) mm ² CE
Minimum radius of curvature	For cables with diameter up to 12 mm: 6 times the max. outer diameter in case of nonconstrained motion and 5 times in case of fixed installation. For cables with greater diameter: 7 times the max. outer diameter in case of nonconstrained motion and 6 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	Insulation diameter \pm 0,1	Minimum average external diameter	Medium outer diameter \pm 0,2	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω /km)	(kg/km)	(kg/km)
1x10,00	0,31	3,89	3,00	N/A	N/A	10,1	2,0600	N/A	96,0000
1x16,00	0,31	5,40	3,00	N/A	N/A	11,6	1,2800	N/A	153,6000
1x25,00	0,31	6,50	3,10	N/A	N/A	12,9	0,8500	N/A	240,0000
1x35,00	0,31	7,60	3,40	N/A	N/A	14,6	0,5800	N/A	336,0000
1x50,00	0,31	9,30	3,40	N/A	N/A	16,3	0,4100	N/A	480,0000
1x70,00	0,31	10,80	3,70	N/A	N/A	18,4	0,2800	N/A	672,0000
1x95,00	0,31	12,50	4,10	N/A	N/A	20,9	0,2100	N/A	912,0000

CORES IDENTIFICATION

Cores number	Insulation colour sequence
1	NA

Refer to the CEI EN 50565 standard series as a guide to the use of cables with nominal voltage not exceeding 450/750 V (U0/U) and to the CEI 20-92 standard as a guide for the handling and storage of wooden reels for cables electrical.

Elettrobrescia S.r.l. - Via Bulloni 36 - 25050 - Camignone di Passirano (Bs) - Tel, +39 030 6850663 Fax +39 030 6850444 email: info@elettrobrescia.it