

HT 105° C

PVC cables

Flexible single-core PVC insulated electric cables, sheath-less for in-house networks with a maximum continuous temperature of 105° C.



TECHNICAL DATA

Nominal tension	300/500 V sect. 0,50-1,00 450/750 V sect. > 1,5
Conditions of employment	For internal networks, not suitable for permanent installations in distribution systems. Not usable with temperatures higher than 105° C.
Type of electrical conductor	Flexible red copper
Type of insulation	TI3 (EN 50363-3)
Color of the outer sheath	On demand (one or two colours)
Operating temperature	+5° C +105° C
Short circuit temperature	+160° C on the conductor (max 5 sec.)
Test voltage	2000 V
Cable marking	ELETTRO BRESCIA HT 105° C
Minimum radius of curvature	6 times the max outer diameter.

REFERENCES STANDARDS

Conductor	EN 60228; IEC 60228
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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)	(?/km)	(kg/km)	(kg/km)
1x0,50	0,21	0,86	0,60	N/A	N/A	2,2	39,0000	8,00	4,8000
1x0,75	0,21	1,05	0,60	N/A	N/A	2,4	26,0000	12,00	7,2000
1x1,00	0,21	1,21	0,60	N/A	N/A	2,5	19,5000	14,00	9,6000
1x1,50	0,26	1,14	0,70	N/A	N/A	2,7	13,3000	20,00	14,4000
1x2,50	0,26	1,49	0,80	N/A	N/A	3,2	7,9800	32,00	24,0000
1x4,00	0,31	2,44	0,80	N/A	N/A	4,1	4,9500	48,00	38,4000
1x6,00	0,31	2,96	0,80	N/A	N/A	4,7	3,3000	67,00	57,6000
1x10,00	0,41	3,99	1,00	N/A	N/A	6,2	1,9100	119,00	96,0000
1x16,00	0,41	5,20	1,00	N/A	N/A	7,4	1,2100	187,00	153,6000
1x25,00	0,41	6,50	1,20	N/A	N/A	9,1	0,7800	265,00	240,0000
1x35,00	0,41	7,70	1,20	N/A	N/A	10,3	0,5500	370,00	336,0000

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.

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