

LEV 160 HALOGEN FREE

Rubber cables

Flexible, single-core, rubber insulated sheath cables, based on vinyl acetate, for indoor networks. Compound with a vinyl acetate base, suitable for the insulation of conductors having no sheath. Low halogenic content rubber, with high oxygen index. No-flame propagation cable, excellent mechanical and oil resistance.



TECHNICAL DATA

Nominal tension	300/500 V sect. 0,35-1,00 450/750 V sect. = 1,5
Conditions of employment	Cable produced with a low-halogenic compound and high oxygen index and, therefore, against flame propagation. With an excellent mechanical varnishes and oil resistance it is also used in the electric motors, in the transformers, in the condenser, in the household electrical appliances, in the lamps, in the resistors and in some particulars of the cars. Used in electric motors.
Type of electrical conductor	Flexible tinned copper
Type of insulation	G19
Color of the outer sheath	On demand (one or two colours)
Operating temperature	-40° C +160° C (not continuous)
Short circuit temperature	+200° C on the conductor (max 5 sec.)
Test voltage	2000 V
Cable marking	ELETTROROBRESCIA (section) mm ² LEV 160 HALOGEN FREE
Minimum radius of curvature	6 times the max outer diameter.
Notes	MECHANICAL PROPERTIES AFTER AGEING (AIR OVEN 240 h, 140° C): Tensile strength: -25% max of the value before ageing Elongation: -25% max of the value before ageing HOT SET TEST (MANDREL IN AIR OVEN 12 h, 140° C): Mandrel diameter: Same diameter of the cable Results: No cracks

REFERENCES STANDARDS

Conductor	EN 60228; IEC 60228
Self-extinguishing	EN 60332-1-2; IEC 60332-1-2

DIMENSIONS

Nominal section	Wires max diameter	Conductor diameter	Insulation thickness	Insulation diameter \pm 0,1	Minimum average external diameter	Medium outer diameter \pm 0,1	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	2,1	40,1000	8,80	4,8000
1x0,75	0,21	1,05	0,70	N/A	N/A	2,4	26,7000	12,10	7,2000
1x1,00	0,21	1,21	0,70	N/A	N/A	2,5	20,0000	14,40	9,6000
1x1,50	0,26	1,49	0,70	N/A	N/A	2,8	13,7000	19,00	14,4000
1x2,50	0,26	1,92	0,70	N/A	N/A	3,4	8,2100	30,20	24,0000
1x4,00	0,31	2,44	0,80	N/A	N/A	4,2	5,0900	47,20	38,4000
1x6,00	0,31	2,96	0,80	N/A	N/A	4,8	3,3900	65,60	57,6000

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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