

H07V-K

PVC cables

Single core non-sheathed cables with flexible conductor.



TECHNICAL DATA

Nominal tension	450/750 V
Conditions of employment	Installation in surface-mounted or embedded conduits, or similar closed systems.
Type of electrical conductor	Flexible red copper
Type of insulation	T11 (EN 50363-3)
Color of the outer sheath	On demand (one or two colours)
Operating temperature	+5° C +70° C (55° C in environments with fire hazard)
Short circuit temperature	+160° C on the conductor max 5 seconds (+140° C in environments with fire hazard)
Test voltage	2500 V
Cable marking	ELETTROROBRESCIA IEMMEQU <HAR> H07V-K
Minimum radius of curvature	6 times the max outer diameter.

REFERENCES STANDARDS

Main rule	EN 50525-2-31
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 0,2	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(?/km)	(kg/km)	(kg/km)
1x1,50	0,26	1,44	0,70	N/A	N/A	3,0	13,3000	20,00	14,4000
1x2,50	0,26	1,88	0,80	N/A	N/A	3,6	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	292,00	240,0000
1x35,00	0,41	7,70	1,20	N/A	N/A	10,3	0,5500	406,00	336,0000
1x50,00	0,41	9,30	1,40	N/A	N/A	12,3	0,3800	580,00	480,0000
1x70,00	0,51	10,80	1,40	N/A	N/A	13,8	0,2700	780,00	672,0000
1x95,00	0,51	13,60	1,60	N/A	N/A	17,0	0,2000	1055,00	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.

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