

H07V-K ECA

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)	(Ω /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

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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