

H07V-K ECA

PVC cables

Single core non-sheathed cables with flexible conductor.



Technical data

Nominal voltage	450/750 V
Applications/Usage conditions	Installation in surface-mounted or embedded conduits, or similar closed systems.
Conductor	Flexible red copper
Insulation type	TI1 (EN 50363-3)
Sheath colour	On demand (one or two colours)
Operating temperatures	+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 markings	ELETTRO BRESCIA IEMMEQU <HAR> H07V-K
Minimum bending radius	6 times the max outer diameter.

Standard references

Main standard	EN 50525-2-31
Conductor	EN 60228; IEC 60228
Self-Extinguishing	EN 60332-1-2; IEC 60332-1-2

Dimensions

Cross section	Wires max diameter	Conductor diameter	Core thickness	Core diameter ± 0,1	Sheath thickness	Medium min outer diameter	Medium max outer diameter	Electrical resistance at 20° C	Cable approx. weight	Cu factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)	(Kg/km)
1x1,50	0,260	1,46	0,70	N/A	N/A	2,8	3,4	13,3000	20,00	14,40
1x2,50	0,260	1,92	0,80	N/A	N/A	3,4	4,1	7,9800	32,00	24,00
1x4,00	0,310	2,44	0,80	N/A	N/A	3,9	4,8	4,9500	48,00	38,40
1x6,00	0,310	2,96	0,80	N/A	N/A	4,4	5,3	3,3000	67,00	57,60

Please refer to the standard series EN 50565 as guide to use for cables with a rated voltage not exceeding 450/750 V - (U0/U) and CEI 20-92 as guide for the handling and warehousing of wooden drums for electric cables.