

H05V-K ECA

PVC cables

Single core non-sheathed cables with flexible conductor for internal wiring.



Technical data

Nominal voltage	300/500 V
Applications/Usage conditions	Installation inside appliances and in lighting fittings.
Conductor	Flexible red copper
Insulation type	TI1 (EN 50363-3)
Sheath colour	On demand (one or two colours)
Operating temperatures	+5° C +70° C
Short circuit temperature	160° C on the conductor (max 5 sec.)
Test voltage	2000 V
Cable markings	ELETTRO BRESCIA IEMMEQU <HAR> H05V-K
Minimum bending radius	4 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)
1x0,50	0,210	0,87	0,60	N/A	N/A	2,1	2,5	39,0000	9,00	4,80
1x0,75	0,210	1,07	0,60	N/A	N/A	2,2	2,7	26,0000	12,00	7,20
1x1,00	0,210	1,23	0,60	N/A	N/A	2,4	2,8	19,5000	15,00	9,60

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.