

Flame-retardant PVC flexible single core cable

H05V-K

CEI EN 50525-2-31
 EN 50525-2-31
 Low voltage directive 2006/95/CE
 RoHS 2011/65/CE directive

IEMMEQU ◁ HAR ▷



Construction features

Red copper flexible conductor; PVC insulation in TI1 quality

Marking

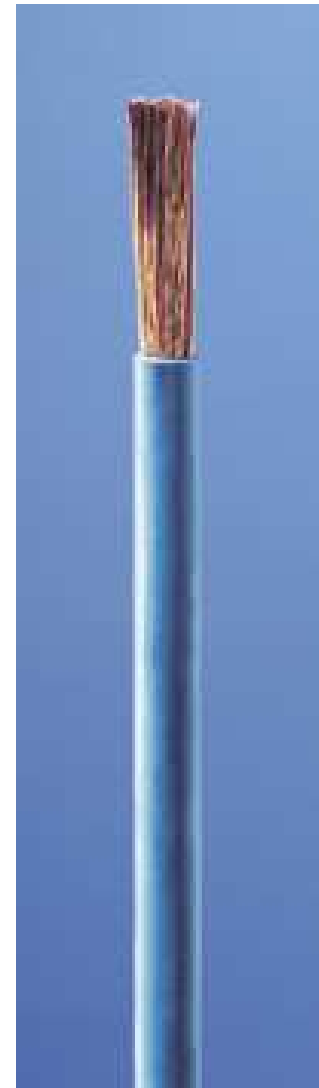
Embossing on the insulator:
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Application

Suitable for fixed laying inside the equipments (also lighting equipments), the pipes and the surface-mounted or embedded conduits, only for notification and control circuits.
 Not suitable for external laying.

Warning

Capacities are calculated on a conductor of 3-4 cables with only 3 active conductors.



Nominal voltage:

$U_0/U = 300/500V$



Minimum bending radius:

4 x external diameter



Operating temperature:

70° C



Tractive effort in laying:

50 N/mm² of copper section maximum



Short circuit temperature:

160° C



Laying temperature:

5° C minimum

Number of cores and nominal cross sectional area n° x mm ²	Maximum wires diameter mm	Average Insulator thickness mm	Maximum external diameter mm	Cable approximate weight kg / km	Maximum resistance at 20° C Ohm / km	Current capacity at 30° C (A) in air or pipe
1 x 0,50	0,21	0,60	2,50	8,1	39,00	3,0
1 x 0,75	0,21	0,60	2,70	10,7	26,00	6,0
1 x 1,00	0,21	0,60	2,80	13,2	19,50	10,0