

I.C.M. INDUSTRIA CAVI MERLOTTI S.R.L.

H05V-K

Flexible unipolar cable, PVC insulated

EU Regulation N.305/2011 – Class Eca – DoP 18ICM001

CONSTRUCTION FEATURES

Conductor	Annealed red copper class 5
Isolation	T11 quality PVC compound
Color	Black, blue, brown, gray, orange, pink, red, light blue, purple, white, yellow, green, yellow / green and any bicolor combination.
Marking	I.C.M. S.R.L. – H05V-K – Eca

ELECTRICAL CHARACTERISTICS

Nominal tension U_0/U	300/500 V
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MECHANICAL CHARACTERISTICS

Max operating temperature	70 °C
Max short circuit temperature	160 °C
Min operating temperature	-10 °C
Min laying temperature	5 °C
Max traction effort	50 N/mm ²
Min bending radius	4 x \varnothing_{ext}

REFERENCE STANDARDS

50525-2-31; CEI 20-40; Directive 2014/35/UE; Directive 2011/65/UE

USE CONDITIONS

Cables for fixed installation protected inside equipment and on lighting equipment. Suitable for installation in surface mounted or recessed ducts, only for signaling and control circuits.

Formation	Maximum electrical resistance at 20°C	Prescribed insulation thickness	Average outer \varnothing Lower limit	Average outer \varnothing Upper limit	Nominal outer \varnothing	Nominal weight	Minimum insulation resistance at nominal temperature	Current flow at 30°C in tube in air (*)
	Ohm/km	mm	mm	mm	mm	Kg/km	MOhm x km	A
1x0.50	39	0.6	2.1	2.5	2.2	9	0.013	3
1x0.75	26	0.6	2.2	2.7	2.3	10	0.011	6
1x1	19.5	0.6	2.4	2.8	2.5	15	0.010	10

(*) Calculation of the current flow carried out by considering a circuit with 3 active conductors