

H05VVC4V5-K

H05VVC4V5-K (EN 50525-2-51)

H05VVC4V5-K harmonised PVC control cable, oil-resistant, screened, flexible and numbered for various applications, U_0/U : 300/500 V

Info

Oil-resistant according to EN 50363-4-1: TM5

Harmonised (HAR): H05VVC4V5-K

and EMC compliant

CPR: Article number choice under www.lappkabel.com/cpr



Good chemical resistance



Oil-resistant



Interference signals

Benefits

High acceptance in Europe due to Harmonisation

Application range

Plant engineering

Industrial machinery

Heating and air-conditioning systems

Machine tools

Mainly used in dry, damp and wet interiors (including water-oil mixtures), but not for outdoor use

For fixed installation under medium mechanical load conditions, and applications with occasional flexing at free, non-continuously recurring movement without tensile load or compulsory guidance

In EMC-sensitive environments

(electromagnetic compatibility)

Last Update (22.12.2023)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Product features

Flame-retardant according IEC 60332-1-2
Oil-resistant according to EN 50363-4-1: TM5
High degree of screening
low transfer impedance
(max. 250 Ω /km at 30 MHz)

Norm references / Approvals

EN 50525-2-51

Product Make-up

Fine-wire strand made of bare copper wires
PVC core insulation
Cores twisted in layers
PVC inner sheath, grey
Tinned-copper braiding
PVC outer sheath, high oil-resistance, grey (similar to RAL 7001)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-334
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	U0/U: 300/500 V
Test voltage:	2000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +70 °C

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil $\leq$ 30 kg or $\leq$ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

* Trade product, no Lapp product

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
H05VVC4V5-K				
0035700	3 G 0.5	8 - 10	47	111.3
0035701	4 G 0.5	8.5 - 10.7	58	132.7
0035702	5 G 0.5	9.3 - 11.6	69	162.7
0035703	7 G 0.5	10.8 - 13.5	86	207.7
0035704	12 G 0.5	13.1 - 16.2	142	295
0035710	3 G 0.75	8.3 - 10.4	55	129.4
0035711	4 G 0.75	9.1 - 11.3	67	163.6
0035712	5 G 0.75	9.7 - 12.1	77.4	188.6
0035713	7 G 0.75	11.5 - 14.3	109	246.9
0035714	12 G 0.75	13.8 - 17.1	166	354.3
0035715	18 G 0.75	16.1 - 19.8	257.3	517
0035716	25 G 0.75	18.7 - 23	318.6	677.8
0035717	34 G 0.75	21.4 - 26.2	409.4	860.6
0035720	3 G 1.0	8.8 - 11	62	144.8
0035721	4 G 1.0	9.4 - 11.7	78.3	180.8
0035722	5 G 1.0	10.3 - 12.8	91	209
0035723	7 G 1.0	12.2 - 15.1	118	273
0035724	12 G 1.0	14.5 - 17.9	198	427.6
0035725	18 G 1.0	16.9 - 20.8	303.6	598.6
0035726	25 G 1.0	19.8 - 24.2	411.9	791.8
0035727	34 G 1.0	22.6 - 27.7	516.3	1,003.9
0035730	3 G 1.5	9.7 - 12.1	83	189.7
0035731	4 G 1.5	10.7 - 13.2	97.8	221.6
0035732	5 G 1.5	11.8 - 14.7	118	261.8
0035733	7 G 1.5	14.1 - 17.4	218	356.7
0035734	12 G 1.5	16.7 - 20.6	309.7	559.4
0035735	18 G 1.5	19.5 - 24	411.4	767.6
0035736	25 G 1.5	22.9 - 28	546.5	1049
0035740	3 G 2.5	11.3 - 14	115	241.5
0035741	4 G 2.5	12.6 - 15.5	163	298.3
0035742	5 G 2.5	13.9 - 17.2	191	363.7
0035743	7 G 2.5	16.5 - 20.3	288.9	487.2
0035744	12 G 2.5	19.8 - 24.3	516.6	743.6