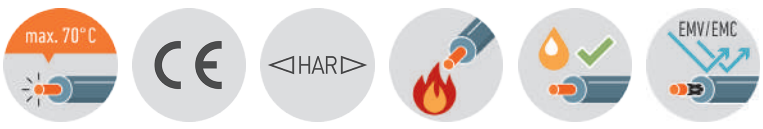
Harmonised control cable
H05VVC4V5-K



Application: Universally applicable: Flexible power, process control and instrumentation cable for industry and machinery environment with increased electromagnetic compatibility requirements for indoor applications. The cable is oil-resistant.

Construction and technical data:

CPR-classification according to EN 50575:	Eca
Standard:	EN 50525-2-51
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	PVC TI2
Material inner sheath:	PVC TM2
Screen:	tinned copper braid
Screen coverage:	70 %
Sheathing material:	PVC TM5
Colour of outer sheath:	grey RAL 7001
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	EN 60811-2-1
Max. temperature at conductor, °C:	70 °C
Permitted outer cable temperature, fixed, °C:	-40 - +50 °C
Permitted outer cable temperature, moved, °C:	5 - 50 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	20 x Ø
Transfer impedance:	250 Ohm/km



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

H05VVC4V5-K

Nominal voltage Uo: 300 V

Nominal voltage U: 500 V

Maximum operating capacity: 40 nF/km

Test voltage: 2 kV

Protective conductor: yes

Core identification: green-yellow + numbers

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
033868	02X0.5	39	8.1	32	90
033850	03G0.5	39	8.4	36	109
033869	04G0.5	39	9.1	58	126
033851	05G0.5	39	10.1	48	156
033870	06G0.5	39	10.7	58	176
033871	07G0.5	39	11.4	86	199
033874	08G0.5	39	12.5	72	211
033875	09G0.5	39	12.5	80	230
033852	12G0.5	39	13.5	105	280
033876	14G0.5	39	14.2	114	302
033971	18G0.5	39	15.8	170	400
033972	25G0.5	39	18.6	268	554
033973	27G0.5	39	18.6	236	599
033974	34G0.5	39	20.8	298	649
033975	36G0.5	39	20.8	317	620
033976	41G0.5	39	23.1	349	770
033977	42G0.5	39	23.1	349	720
033978	50G0.5	39	25.1	470	966
033979	61G0.5	39	26.8	530	1122
033980	65G0.5	39	28.4	563	1198
031453	03G0.75	26	9.1	55	125
031454	04G0.75	26	10.3	67	150
031455	05G0.75	26	11	79	180
031456	07G0.75	26	12.4	109	230
031457	12G0.75	26	15.2	184.5	310
031458	18G0.75	26	18.2	257.3	470
031459	25G0.75	26	21.5	318.6	640
031460	03G1	19.5	9.6	75	140
031461	04G1	19.5	10.7	86	170
031462	05G1	19.5	11.4	102	200
031463	07G1	19.5	12.9	127	230
031464	12G1	19.5	16.9	198	410
031465	18G1	19.5	19.4	303.6	550
031466	25G1	19.5	22.8	411.9	735
034937	34G1	19.5	24.1	500	920
034968	36G1	19.5	23.8	511	1001
034969	48G1	19.5	23.8	656	1270
034955	50G1	19.5	28.9	736	1290
034956	65G1	19.5	32.4	914	1510
035853	02X1.5	0.554	11.6	69	143
031467	03G1.5	13.3	10.7	95	180
031468	04G1.5	13.3	11.5	116	200
031469	05G1.5	13.3	12.1	130	235
031470	07G1.5	13.3	14.1	218	330
031471	12G1.5	13.3	18	309.7	470

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part no.	part name	Rl [Ohm/km]	Ø [mm]	Cu	G [kg]
037528	14G1.5	13.3	17.5	270.7	487
031472	18G1.5	13.3	20.8	411.4	680
031473	25G1.5	13.3	25	546.5	930
031741	34G1.5	13.3	26.3	754	1353
031474	03G2.5	7.98	12	148	240
031475	04G2.5	7.98	13.1	163	290
031476	05G2.5	7.98	14.2	200	340
031477	07G2.5	7.98	16.3	288.9	465
034737	12G2.5	7.98	24.3	517	748
034738	18G2.5	7.98	25.6	598	1051
034739	25G2.5	7.98	29.3	897	1380

Rl	Conductor resistance
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000