

# Harmonised control cable

## H05VV5-F



**Application:** Flexible power, process control and instrumentation cable for industry and machinery environment for indoor applications. The cable is largely oil resistant.

### Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Eca
<b>Standard:</b>	DIN EN 50525-2-51 (VDE 0285-525-2-51)
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	PVC TI2
<b>Sheathing material:</b>	PVC TM5
<b>Colour of outer sheath:</b>	grey RAL 7001
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Oil-resistant:</b>	EN 60811-2-1
<b>Max. temperature at conductor, °C:</b>	70 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +50 °C
<b>Permitted outer cable temperature, moved, °C:</b>	5 - 50 °C
<b>Bending radius, fixed installation:</b>	4 x Ø
<b>Bending radius, moving application:</b>	20 x Ø



*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.*

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<b>Nominal voltage U<sub>o</sub>:</b>	300 V
<b>Nominal voltage U:</b>	500 V
<b>Test voltage:</b>	2 kV
<b>Protective conductor:</b>	yes
<b>Core identification:</b>	green-yellow + numbers

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
031478	03G0.5	39	6.5	14.4	51
031479	04G0.5	39	7.1	19.2	62
031480	05G0.5	39	7.7	24	75
031481	07G0.5	39	9.5	33.6	117
031482	08G0.5	39	10.1	38.4	134
031483	12G0.5	39	11.7	57.6	174
031484	18G0.5	39	13.6	86.4	248
031485	21G0.5	39	14.9	100.8	297
031486	25G0.5	39	16.7	120	348
031487	30G0.5	39	17.3	144	420
031488	32G0.5	39	17.9	153.6	448
031489	34G0.5	39	19.2	163.2	476
031490	50G0.5	39	22.3	240	650
031491	52G0.5	39	22.3	249.6	676
031492	60G0.5	39	23.6	288	753
037220	02X0.75	26	6	14.4	51
031493	03G0.75	26	7.2	21.6	61
031494	04G0.75	26	7.8	28.8	75
031495	05G0.75	26	9	36	100
031496	07G0.75	26	10.5	50.4	141
031497	09G0.75	26	12.4	64.8	160
031498	12G0.75	26	13	86.4	214
031499	15G0.75	26	14.4	108	255
031500	18G0.75	26	15.1	129.6	306
031501	25G0.75	26	18.6	180	427
031502	32G0.75	26	20.6	230.4	555
031503	34G0.75	26	21.3	244.8	590
031504	41G0.75	26	22.8	295.2	699
031505	42G0.75	26	23	302.4	716
031506	50G0.75	26	24.8	360	807
031507	52G0.75	26	25	374.4	839
036900	02X1	19.5	6.6	19.2	63
031508	60G0.75	26	26.9	432	985
031509	03G1	19.5	7.4	28.8	71
031510	04G1	19.5	8	38.4	89
031511	05G1	19.5	9.2	48	116
031512	07G1	19.5	10.8	67.2	166
031513	09G1	19.5	12.7	86.4	209
031514	12G1	19.5	13.4	115.2	251
031515	14G1	19.5	14	134.4	297
031516	18G1	19.5	16.2	172.8	385
031517	25G1	19.5	19.8	240	534
031518	32G1	19.5	21.2	307.2	658
031519	34G1	19.5	22	326.4	700
037515	36G1	19.5	20.9	345.6	694
031520	41G1	19.5	23.6	393.6	847
031521	50G1	19.5	26.2	480	993

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
031522	52G1	19.5	26.4	499.2	1010
031523	56G1	19.5	27	537.6	1087
031524	60G1	19.5	27.8	576	1165
037588	61G1	19.5	26.6	585.6	1140
036126	02X1.5	13.3	7.4	29	79
031525	03G1.5	13.3	8	43.2	92
031526	04G1.5	13.3	9.2	57.6	125
031527	05G1.5	13.3	10	72	155
031528	07G1.5	13.3	12.2	100.8	227
031529	09G1.5	13.3	13.9	129.6	248
031530	12G1.5	13.3	14.6	172.8	330
031531	14G1.5	13.3	15.4	201.6	394
031532	18G1.5	13.3	17.7	259.2	506
031533	25G1.5	13.3	21.6	360	700
031534	32G1.5	13.3	23.2	460.8	865
031535	34G1.5	13.3	24.1	489.6	920
031536	42G1.5	13.3	26.4	604.8	1120
031537	50G1.5	13.3	28.8	720	1320
031538	52G1.5	13.3	29	748.8	1352
031539	60G1.5	13.3	30.5	864	1560
031972	61G1.5	13.3	30.9	878	1639
031540	03G2.5	7.98	9.7	72	146
031541	04G2.5	7.98	11	96	196
031542	05G2.5	7.98	12.1	120	235
031543	07G2.5	7.98	14.2	168	343
031544	12G2.5	7.98	17.7	288	535
031545	18G2.5	7.98	21.3	432	800
031546	25G2.5	7.98	25.9	600	1100
031547	32G2.5	7.98	27.9	768	1350
031548	34G2.5	7.98	28.9	816	1436
031549	42G2.5	7.98	31.6	1008	1753
031550	50G2.5	7.98	34.4	1200	2070
031551	52G2.5	7.98	34.6	1248	2180
031552	60G2.5	7.98	37.1	1440	2515
037510	03G4 (with reference to)	4.95	11.1	115.2	218
037257	03X4 (with reference to)	4.95	12.1	115.2	237
037514	03G10 (with reference to)	1.91	15.1	288	470
037511	04G4 (with reference to)	4.95	12.3	153.6	274
037902	05G4 (with reference to)	4.95	13.7	192	329
037512	07G4 (with reference to)	4.95	16.2	268.8	446
037513	12G4 (with reference to)	4.95	19.6	460.8	725
034910	04G10 GR (with reference to)	1.91	18.1	384	701

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