

Harmonised control cable H05VV5-F acc. to EN 50525-2-51



conductor material:	bare copper
conductor construction:	fine stranded, class 5
insulation:	PVC TI2
sheathing material:	PVC TM5
colour of outer sheath:	gray RAL 7001
flame retardant:	VDE 0482-332-1-2/IEC 60332-1
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-40 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
bending radius, fixed installation:	4 x DA
nominal voltage U₀:	300 V
nominal voltage U:	500 V
test voltage:	2 kV
core identification:	gn-ye + numbers

Application: Flexible power, process control and instrumentation cable for industry and machinery environment. The cable is resistant against most usual chemicals, oil and grease.



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.

Table: Technical characteristics H05VV5-F

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
031478	H05VV5-F 03G0,5 GR	6,5	51	14,4	1500
031479	H05VV5-F 04G0,5 GR	7,1	62	19,2	875
031480	H05VV5-F 05G0,5 GR	7,7	75	24	2100
031481	H05VV5-F 07G0,5 GR	9,5	117	33,6	3500
031482	H05VV5-F 08G0,5 GR	10,1	134	38,4	1500
031483	H05VV5-F 12G0,5 GR	11,7	174	57,6	1750
031484	H05VV5-F 18G0,5 GR	13,6	248	86,4	2375
031485	H05VV5-F 21G0,5 GR	14,9	297	100,8	3000
031486	H05VV5-F 25G0,5 GR	16,7	348	120	
031487	H05VV5-F 30G0,5 GR	17,3	420	144	
031488	H05VV5-F 32G0,5 GR	17,9	448	153,6	
031489	H05VV5-F 34G0,5 GR	19,2	476	163,2	
031490	H05VV5-F 50G0,5 GR	22,3	650	240	
031491	H05VV5-F 52G0,5 GR	22,3	676	249,6	
031492	H05VV5-F 60G0,5 GR	23,6	753	288	
031493	H05VV5-F 03G0,75 GR	7,2	61	21,6	
031494	H05VV5-F 04G0,75 GR	7,8	75	28,8	
031495	H05VV5-F 05G0,75 GR	9	100	36	
031496	H05VV5-F 07G0,75 GR	10,5	141	50,4	2775
031497	H05VV5-F 09G0,75 GR	12,4	160	64,8	3600
031498	H05VV5-F 12G0,75 GR	13	214	86,4	1875
031499	H05VV5-F 15G0,75 GR	14,4	255	108	8750
031500	H05VV5-F 18G0,75 GR	15,1	306	129,6	
031501	H05VV5-F 25G0,75 GR	18,6	427	180	
031502	H05VV5-F 32G0,75 GR	20,6	555	230,4	
031503	H05VV5-F 34G0,75 GR	21,3	590	244,8	
031504	H05VV5-F 41G0,75 GR	22,8	699	295,2	9000
031505	H05VV5-F 42G0,75 GR	23	716	302,4	
031506	H05VV5-F 50G0,75 GR	24,8	807	360	
031507	H05VV5-F 52G0,75 GR	25	839	374,4	

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
031508	H05VV5-F 60G0,75 GR	26,9	985	432	
031509	H05VV5-F 03G1 GR	7,4	71	28,8	
031510	H05VV5-F 04G1 GR	8	89	38,4	
031511	H05VV5-F 05G1 GR	9,2	116	48	
031512	H05VV5-F 07G1 GR	10,8	166	67,2	
031513	H05VV5-F 09G1 GR	12,7	209	86,4	
031514	H05VV5-F 12G1 GR	13,4	251	115,2	
031515	H05VV5-F 14G1 GR	14	297	134,4	
031516	H05VV5-F 18G1 GR	16,2	385	172,8	
031517	H05VV5-F 25G1 GR	19,8	534	240	
031518	H05VV5-F 32G1 GR	21,2	658	307,2	
031519	H05VV5-F 34G1 GR	22	700	326,4	
031520	H05VV5-F 41G1 GR	23,6	847	393,6	
031521	H05VV5-F 50G1 GR	26,2	993	480	
031522	H05VV5-F 52G1 GR	26,4	1010	499,2	
031523	H05VV5-F 56G1 GR	27	1087	537,6	
031524	H05VV5-F 60G1 GR	27,8	1165	576	1200
031525	H05VV5-F 03G1,5 GR	8	92	43,2	270
031526	H05VV5-F 04G1,5 GR	9,2	125	57,6	450
031527	H05VV5-F 05G1,5 GR	10	155	72	4275
031528	H05VV5-F 07G1,5 GR	12,2	227	100,8	
031529	H05VV5-F 09G1,5 GR	13,9	248	129,6	270
031530	H05VV5-F 12G1,5 GR	14,6	330	172,8	450
031531	H05VV5-F 14G1,5 GR	15,4	394	201,6	720

p/n	part name	D _A [mm]	G [kg]	Cu [kg/km]	F _{ZV} [N]
031532	H05VV5-F 18G1,5 GR	17,7	506	259,2	1125
031533	H05VV5-F 25G1,5 GR	21,6	700	360	1575
031534	H05VV5-F 32G1,5 GR	23,2	865	460,8	2250
031535	H05VV5-F 34G1,5 GR	24,1	920	489,6	3150
031536	H05VV5-F 42G1,5 GR	26,4	1120	604,8	4275
031537	H05VV5-F 50G1,5 GR	28,8	1320	720	5400
031538	H05VV5-F 52G1,5 GR	29	1352	748,8	
031539	H05VV5-F 60G1,5 GR	30,5	1560	864	
031972	H05VV5-F 61G1,5 GR	30,9	1639	878	
031540	H05VV5-F 03G2,5 GR	9,7	146	72	
031541	H05VV5-F 04G2,5 GR	11	196	96	
031542	H05VV5-F 05G2,5 GR	12,1	235	120	
031543	H05VV5-F 07G2,5 GR	14,2	343	168	
031544	H05VV5-F 12G2,5 GR	17,7	535	288	
031545	H05VV5-F 18G2,5 GR	21,3	800	432	
031546	H05VV5-F 25G2,5 GR	25,9	1100	600	
031547	H05VV5-F 32G2,5 GR	27,9	1350	768	
031548	H05VV5-F 34G2,5 GR	28,9	1436	816	
031549	H05VV5-F 42G2,5 GR	31,6	1753	1008	
031550	H05VV5-F 50G2,5 GR	34,4	2070	1200	
031551	H05VV5-F 52G2,5 GR	34,6	2180	1248	
031552	H05VV5-F 60G2,5 GR	37,1	2515	1440	

DA	outer diameter
G	weight
Cu	copper
Fzv	tensile strength (during installation)