

# H05VV5-F

Flexible cables, number coded cores, approved to VDE, HAR



## Cable structure

- Stranded bare copper conductor according to DIN VDE 0295 cl.5 and IEC 60228 cl. 5
- Special core insulation PVC according to DIN VDE 0281 part 1
- Cores stranded in layers with repeated white numbering according to DIN VDE 0293
- Special outer PVC jacket according to DIN VDE 0281 part 1, HD 21.1S2/A16, color grey
- PVC self-extinguishing and flame retardant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

## Technical data

- Flexible PVC cable with oil resistant outer sheath according to DIN VDE 0281 part 13, HD 21.13 S1 and IEC 60227/75
- **Temperature range:** flexing from -5 °C to +70 °C  
fixed from -40 °C to +70 °C
- **Nominal voltage**  $U_o/U$  300/500 V
- **Test voltage a.c.** 2000 V
- **Spark test** 6000 V
- **Insulation resistance** min. 20 M $\Omega$   $\times$  km
- **Minimum bending radius** approx. 7,5 $\times$  cable diameter
- **Radiation resistance** up to 80 $\times 10^6$  cJ/kg (up to 80 Mrad)

## Application

These cables are ideal for use with medium mechanical stresses with free movement but without tensile stress or forced movements in dry, moist and wet areas but however are not suitable for open air. These cables can be used as control cables in machine industry, conveyor belts and production lines. These cables have been tested according to DIN VDE 0207 and 0473 and proved to be oil resistant. Cables are resistant to chemical influences and therefore can be used in moist and wet areas such as breweries, bottling plants and car washing stations.

## Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.

OZ = version without green-yellow earth core

Conforms to RoHS.

Other sizes and colors available on request.

Part No.	Number of cores $\times$ core cross-section [mm <sup>2</sup> ]	Approx. outer $\varnothing$ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0113122 OZ	2 $\times$ 0,5	5,9	9,7	46
0113001	3 G 0,5	6,2	14,4	54
0113002	4 G 0,5	6,7	19,0	65
0113003	5 G 0,5	7,4	24,0	80
0113004	6 G 0,5	8,4	28,8	104
0113005	7 G 0,5	9,1	33,6	119
0113920	8 G 0,5	9,6	38,0	134
0113006	9 G 0,5	10,6	43,0	136
0113921	10 G 0,5	10,8	48,0	166
0113007	12 G 0,5	11,2	58,0	186
0113922	14 G 0,5	11,7	67,0	215
0113008	18 G 0,5	13,0	86,0	251
0113009	25 G 0,5	16,0	120,0	349
0113923	27 G 0,5	16,1	129,6	373
0113010	34 G 0,5	17,7	163,0	480
0113924	36 G 0,5	17,7	172,0	510
0113125	41 G 0,5	19,8	196,0	570
0113011	50 G 0,5	21,5	240,0	658
0113012	61 G 0,5	23,0	293,0	780
0113925	65 G 0,5	25,3	312,0	810
0113123 OZ	2 $\times$ 0,75	6,3	14,4	52
0113013	3 G 0,75	6,7	21,6	68
0113014	4 G 0,75	7,3	28,8	82
0113015	5 G 0,75	8,3	36,0	107
0113016	6 G 0,75	9,0	43,2	132
0113017	7 G 0,75	9,7	50,5	145
0113926	8 G 0,75	10,4	58,0	189
0113018	9 G 0,75	11,5	65,0	194
0113019	12 G 0,75	12,1	86,0	231
0113927	14 G 0,75	12,4	101,0	274
0113020	18 G 0,75	14,0	130,0	313
0113021	25 G 0,75	17,0	180,0	461
0113928	27 G 0,75	17,1	195,0	493
0113022	34 G 0,75	19,1	245,0	614

Part No.	Number of cores $\times$ core cross-section [mm <sup>2</sup> ]	Approx. outer $\varnothing$ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0113929	36 G 0,75	19,1	259,0	646
0113126	41 G 0,75	21,3	296,0	730
0113023	50 G 0,75	23,2	360,0	896
0113024	61 G 0,75	25,8	439,0	1030
0113930	65 G 0,75	27,1	468,0	1071
0113119 OZ	2 $\times$ 1	6,6	19,2	66
0113025	3 G 1	7,0	29,0	78
0113026	4 G 1	7,6	38,4	104
0113027	5 G 1	8,7	48,0	123
0113028	6 G 1	9,5	58,0	152
0113029	7 G 1	10,2	67,0	183
0113931	8 G 1	11,0	77,0	220
0113030	9 G 1	12,1	86,0	230
0113031	12 G 1	12,7	115,0	269
0113932	14 G 1	13,3	134,0	361
0113032	18 G 1	15,0	173,0	400
0113933	19 G 1	15,0	183,0	413
0113033	25 G 1	18,0	240,0	546
0113934	27 G 1	18,0	259,0	582
0113034	34 G 1	20,6	326,0	724
0113124	36 G 1	21,0	346,0	775
0113935	37 G 1	21,0	355,0	785
0113127	41 G 1	22,5	394,0	822
0113035	50 G 1	24,5	480,0	1052
0113036	61 G 1	26,0	586,0	1265
0113936	65 G 1	28,1	624,0	1315
0113120 OZ	2 $\times$ 1,5	7,3	29,0	77
0113037	3 G 1,5	7,9	43,0	97
0113038	4 G 1,5	8,7	58,0	128
0113039	5 G 1,5	9,6	72,0	149
0113040	6 G 1,5	10,7	86,0	196
0113041	7 G 1,5	11,8	101,0	216
0113937	8 G 1,5	13,2	115,0	271

# H05VV5-F

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0113042	9 G 1,5	13,5	130,0	282
0113043	12 G 1,5	14,4	173,0	324
0113121	14 G 1,5	15,3	202,0	372
0113044	18 G 1,5	17,2	259,0	485
0113938	19 G 1,5	17,2	274,0	495
0113045	25 G 1,5	21,7	360,0	671
0113939	27 G 1,5	21,7	389,0	695
0113046	32 G 1,5	22,4	461,0	820
0113047	34 G 1,5	24,1	490,0	881
0113940	36 G 1,5	24,4	518,0	905
0113941	37 G 1,5	24,4	533,0	920
0113128	41 G 1,5	26,3	590,0	1085
0113048	50 G 1,5	28,9	720,0	1381
0113049	61 G 1,5	30,8	878,0	1640
0113942	65 G 1,5	32,2	963,0	1730
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0113943 OZ	2 x 2,5	9,1	48,0	110
0113050	3 G 2,5	9,6	72,0	154
0113051	4 G 2,5	10,8	96,0	212
0113052	5 G 2,5	11,6	120,0	242
0113053	7 G 2,5	14,2	168,0	350
0113945	8 G 2,5	16,1	192,0	379
0113054	12 G 2,5	17,7	288,0	543
0113946	14 G 2,5	19,0	336,0	611
0113055	18 G 2,5	21,4	432,0	787
0113056	25 G 2,5	26,1	600,0	1175
0113947	27 G 2,5	26,2	648,0	1280
0113057	34 G 2,5	29,5	816,0	1529
0113948	36 G 2,5	29,6	864,0	1791
0113949	41 G 2,5	32,0	984,0	1905
0113058	50 G 2,5	35,0	1200,0	2290
0113059	61 G 2,5	37,1	1464,0	2724
0113133OZ	2 x 4	10,7	77,0	195
0113134	3 G 4	11,3	115,0	230
0113135	4 G 4	12,4	154,0	295
0113136	5 G 4	13,9	192,0	361
0113138	7 G 4	16,5	269,0	466
0113141	12 G 4	20,8	461,0	810
0113142OZ	2 x 6	12,0	116,0	280
0113143	3 G 6	12,9	173,0	358
0113144	4 G 6	14,2	230,0	424
0113145	5 G 6	15,9	288,0	525
0113146	7 G 6	18,9	403,0	625
0113148	3 G10	16,3	288,0	540
0113149	4 G10	18,1	384,0	701
0113150	5 G10	20,3	480,0	858
0113151	7 G10	24,3	672,0	1106
0113153	3 G16	18,3	461,0	827
0113154	4 G16	20,9	614,0	1035
0113155	5 G16	23,4	768,0	1259
0113156	7 G16	28,5	1075,0	1780
0113159	4 G25	26,3	960,0	1582
0113160	5 G25	29,5	1200,0	1852