

## H05VV5-F



### Application

The cables are installed in automatic control systems, machinery, belt transporter equipment, production lines and etc., where oil resistance is necessary.

### Technical data

- manufactured according to HD 21.13
- rated voltage  $U_0/U$ : 300/500 V
- test voltage: 2000 V for 5 min
- maximum conductor temperature: + 70 °C
- max. conductor temperature at short circuit for 5 s : +160 °C
- temperature of environment:  
mobile : - 5 °C to +70 °C;  
fixed : - 40 °C to +70 °C
- minimum bending radius for: mobile : - 7,5 D;  
fixed : - 4 D (D - outer cable diameter)
- flame test: flame-retardant acc. to IEC 60332-1
- sheath colour: grey - RAL 7001 or other upon request

### Cable design

- copper conductors class 5 according to IEC 60228
- insulation: PVC compound type TI2 according to HD 21.1
- sheath: PVC compound type TM5 according to HD 21.1

### Core identification

- in accordance to EN 50334 (HD 186): all cores black, with white imprinted numbers and one green-yellow core in the outer layer

Number of Conductors and Cross Section	Outer Diameter	Copper Weight	Cable Weight		Number of Conductors and Cross Section	Outer Diameter	Copper Weight	Cable Weight
No x mm <sup>2</sup>	mm	kg/km	kg/km		No x mm <sup>2</sup>	mm	kg/km	kg/km
2 x 0,5	5,6	10	46		2 x 1,5	7,5	29	90
3 x 0,5	5,9	14	54		3 x 1,5	8,0	43	110
4 x 0,5	6,6	19	70		4 x 1,5	8,8	58	139
5 x 0,5	7,2	24	86		5 x 1,5	9,8	72	176
6 x 0,5	8,0	29	98		6 x 1,5	10,9	86	200
7 x 0,5	9,0	34	117		7 x 1,5	12,4	101	244
12 x 0,5	10,8	58	173		12 x 1,5	14,6	173	353
18 x 0,5	12,8	86	255		18 x 1,5	17,4	259	528
25 x 0,5	15,5	120	352		25 x 1,5	21,4	360	745
27 x 0,5	15,5	130	365		27 x 1,5	21,4	389	776
36 x 0,5	17,5	173	480		36 x 1,5	24,2	518	1027
2 x 0,75	6,2	14	58		2 x 2,5	9,1	48	136
3 x 0,75	6,5	22	68		3 x 2,5	9,7	72	169
4 x 0,75	7,1	29	85		4 x 2,5	10,6	96	212
5 x 0,75	8,0	36	109		5 x 2,5	11,8	120	268
6 x 0,75	8,7	43	121		6 x 2,5	12,8	144	295
7 x 0,75	10,1	50	153		7 x 2,5	14,6	168	359
12 x 0,75	11,7	86	213		18 x 2,5	21,0	432	815

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No x mm <sup>2</sup>	mm	kg/km	kg/km		No x mm <sup>2</sup>	mm	kg/km	kg/km
18 x 0,75	14,0	130	320		25 x 2,5	25,5	600	1129
25 x 0,75	17,0	180	444		27 x 2,5	25,5	648	1180
27 x 0,75	17,0	194	461		36 x 2,5	28,9	864	1566
34 x 0,75	19,2	245	583					
36 x 0,75	19,2	259	608					
2 x 1,0	6,5	19	66					
3 x 1,0	6,8	29	78					
4 x 1,0	7,5	38	99					
5 x 1,0	8,4	48	127					
6 x 1,0	9,3	58	145					
7 x 1,0	10,4	67	170					
10 x 1,0	12,1	96	222					
12 x 1,0	12,5	115	255					
18 x 1,0	14,7	173	373					
25 x 1,0	17,9	240	519					
27 x 1,0	17,9	259	540					
36 x 1,0	20,4	346	724					