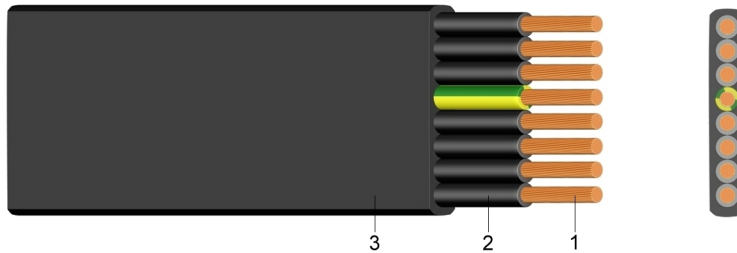


H07VVH6-F PVC Flat Cable for Medium-Level Mechanical Stress

Application:

To be used in dry and humid locations but not in the open-air for low and medium-level mechanical loads. This cable is suitable for connecting movable parts of machine tools, material handling equipment and large machines provided it is exposed to bending in only one plane. Cables with more than 5 cores grouped with individual groups separated by a stay.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC), cores are laid up parallel
- 3 outer sheath of soft polyvinylchloride (PVC), black

Standards:

- DIN VDE 0281-404
DIN EN 60228 class 5 (construction)
HD 308 S2 (core identification)

Technical data:

Nominal voltage U_0/U		[V]	450 / 750 Volt
Test voltage		[V] _{Ac}	2500
Temperature range	in motion		-5°C till +70°C
	fixed		-30°C till +70°C
Operating temperature	short circuit	°C	160
Short circuit time	max.	[sec]	5
Bending radius	min.	x diameter	10
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall measures appr. mm	Weight
				appr. kg/km
4 G 1,5	57,6	30 x 0,26	5,0 x 15,0	150
5 G 1,5	72,0	30 x 0,26	5,0 x 18,0	180
7 G 1,5	100,8	30 x 0,26	5,0 x 27,0	265
8 G 1,5	115,2	30 x 0,26	5,0 x 29,0	295
10 G 1,5	144,0	30 x 0,26	5,0 x 36,0	355
12 G 1,5	172,8	30 x 0,26	5,0 x 41,0	415
4 G 2,5	96,0	50 x 0,26	5,7 x 18,5	250
5 G 2,5	120,0	50 x 0,26	5,7 x 22,0	280
7 G 2,5	168,0	50 x 0,26	5,7 x 33,5	385
8 G 2,5	192,0	50 x 0,26	5,7 x 37,0	430
12 G 2,5	288,0	50 x 0,26	5,7 x 51,0	630
4 G 4	153,6	56 x 0,31	6,9 x 21,5	320
5 G 4	192,0	56 x 0,31	6,9 x 26,0	390
7 G 4	268,8	56 x 0,31	6,9 x 38,0	560
4 G 6	230,4	84 x 0,31	7,6 x 24,5	430
5 G 6	288,0	84 x 0,31	7,6 x 29,5	530
4 G 10	384,0	80 x 0,41	9,6 x 31,0	690

Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall measures appr. mm	Weight appr. kg/km
4 G 16	614,4	128 x 0,41	10,9 x 35,5	970
4 G 25	960,0	200 x 0,41	12,7 x 41,5	1.405
4 G 35	1.344,0	280 x 0,41	15,7 x 49,0	2.035
4 G 50	1.920,0	400 x 0,41	19,1 x 61,5	3.000