

PVC flat cable

H07VVH6-F



Application: PVC-insulated flat cables are used as trailing cable for crane installations, floor conveyer systems and shelf control units. Max. suspension length 35 m.

Construction and technical data:

Standard:	DIN EN 50214 (VDE 0283-2)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	PVC TI2
Sheathing material:	PVC TM2
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-2-1
Max. temperature at conductor, °C:	70 °C
Permitted outer cable temperature, fixed, °C:	-40 - +60 °C
Permitted outer cable temperature, moved, °C:	-25 - +60 °C
Maximum tensile strength at the conductor:	15 N/mm ²
Operating speed festoon, m/min.:	120 m/min.



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.

Bending radii

free movement	5 x h
deflected by pulleys	10 x h
festoon	10 x h

H07VVH6-F**Nominal voltage U_o:** 450 V**Nominal voltage U:** 750 V**Test voltage:** 2.5 kV**Protective conductor:** yes**Core identification:** colours acc. to VDE 0293 (HD 308);
more than 5 cores: gn-ye + numbers

part no.	part name	RI [Ohm/km]	w [mm]	w min. [mm]	w max. [mm]	h [mm]	h min. [mm]	h max. [mm]	Cu	G [kg]
031974	04G1.5	13.3	14.9	14.2	15.6	5.2	4.9	5.5	58	135
032153	05G1.5	13.3	17.7	16.8	18.6	5.2	4.9	5.5	72	140
032351	07G1.5	13.3	27.2	25.8	28.6	5.2	4.9	5.5	101	260
032004	08G1.5	13.3	27.5	26.1	28.9	5.2	4.9	5.5	115	265
032352	10G1.5	13.3	34.2	32.5	35.9	5.2	4.9	5.5	144	358
031975	12G1.5	13.3	39.8	37.8	41.8	5.2	4.9	5.5	173	442
031976	14G1.5	13.3	50.7	48.2	53.2	5.2	4.9	5.5	202	435
037708	16G1,5	13.3	53	50.35	55.65	5.2	4.94	5.46	230.4	566
031977	18G1.5	13.3	61	58	64.1	5.2	4.9	5.5	259	559
035014	24G1.5	13.3	77.6	73.7	81.5	5.2	4.9	5.5	346	818
031978	04G2.5	7.98	17.2	16.3	18.1	5.6	5.3	5.9	96	206
032154	05G2.5	7.98	20.6	19.6	21.6	5.6	5.3	5.9	120	240
032353	07G2.5	7.98	30.4	28.9	31.9	5.6	5.3	5.9	168	365
032354	08G2.5	7.98	32.3	30.7	33.9	5.6	5.3	5.9	192	410
032355	12G2.5	7.98	47.4	45	49.8	5.6	5.3	5.9	288	610
032356	24G2.5	7.98	96.6	91.8	101.4	5.6	5.3	5.9	604	950
032357	04G4	4.95	19.2	18.2	20.2	6.8	6.5	7.1	154	327
032041	04G6	3.3	21.2	20.1	22.3	7	6.7	7.4	230	430
031979	04G10	1.91	28	26.6	29.4	9.2	8.7	9.7	384	709
032024	04G16	1.21	31.2	29.6	32.8	10.2	9.7	10.7	614	1015
033469	04G25	0.78	40.8	38.8	42.8	12.4	11.8	13	960	1367
032152	04G35	0.554	45.3	43	47.6	13.4	12.7	14.1	1344	1920
034819	04G50 (with reference to)	0.386	56.2	53.4	59	17	16.2	17.9	1920	2822
034557	04G70 (with reference to)	0.272	64.5	61.3	67.7	18.7	17.8	19.6	2688	3817
037424	04G95 (with reference to)	0.206	77.4	73.5	81.3	21	20	22.1	3648	4805
032358	05G4	4.95	24.6	23.4	25.8	6.8	6.5	7.1	192	402
032301	05G6	3.3	25.6	24.3	26.9	7	6.7	7.4	288	525
032302	05G10	1.91	37.6	35.7	39.5	9.2	8.7	9.7	480	935
032361	05G16	1.21	48.6	46.2	51	10.2	9.7	10.7	768	1317
032359	07G4	4.95	32.9	31.3	34.5	6.8	6.5	7.1	269	567
032360	07G6	3.3	37.4	35.5	39.3	7	6.7	7.4	403	755
037876	08X1.5 (with reference to)	13.3	61	58	64.1	5.2	4.9	5.5	115	265

RI	Conductor resistance
w	Width
w min.	width of (flat) cable min.
w max.	width of (flat) cable max.
h	Height
h min.	height of (flat) cable min.
h max.	height of (flat) cable max.
Cu	Copper weight (GER)
G	net weight per 1000