



Becatech

Interconnective Power



**PVC flat power cable
(H07VVH6-F)**

Cable Structure :

Conductor: flexible bare copper (class 5).

Insulation: PVC TI2.

Outer sheath: PVC TM2.

Core identification:

- Colors according to VDE 0293 (HD308).
- More than five core: green/yellow + numbers.

Technical Specification :

Rated temperature flexible installation: -25°C to 60°C.

Rated temperature fixed installation: -40°C to 60°C.

Rated conductor temperature: 70°C.

Flame retardant according to IEC 60332-1-2.

Rated bending radius (in height):

- Fixed installation: $h < 8\text{mm}$ / $h = 8-12\text{mm}$: 3 x h.
- Fixed installation: $h = 12-20\text{mm}$ / $h > 20\text{mm}$: 4 x h.
- Flexible installation: $h < 8\text{mm}$: 3 x h.
- Flexible installation: $h = 8-12\text{mm}$: 4 x h.
- Flexible installation: $h = 12-20\text{mm}$ / $h > 20\text{mm}$: 5 x h.

Application :

Used as trailing cable for crane installations, floor conveyor systems and shelf control units.

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Core x mm ²	Width mm	Width Minimum mm	Width Maximum mm	Height mm	Height Minimum mm	Height Maximum mm	Cu Weight (kg)	Weight / 1000 (kg)
4g1.5	14.9	14.2	15.6	5.2	4.9	5.5	58	135
5g1.5	17.7	16.8	18.6	5.2	4.9	5.5	72	140
7g1.5	27.2	25.8	28.6	5.2	4.9	5.5	101	260
8g1.5	27.5	26.1	28.9	5.2	4.9	5.5	115	265
10g1.5	34.2	32.5	35.9	5.2	4.9	5.5	144	358
12g1.5	39.8	37.8	41.8	5.2	4.9	5.5	173	442
14g1.5	50.7	48.2	53.2	5.2	4.9	5.5	202	435
16g1.5	53.0	50.35	55.65	5.2	4.94	5.46	230.4	566
18g1.5	61.0	58.0	64.1	5.2	4.9	5.5	259	559
24g1.5	77.6	73.7	81.5	5.2	4.9	5.5	346	818
4g2.5	17.2	16.3	18.1	5.6	5.3	5.9	96	206
5g2.5	20.6	19.6	21.6	5.6	5.3	5.9	120	240
7g2.5	30.4	28.9	31.9	5.6	5.3	5.9	168	365
8g2.5	32.3	30.7	33.9	5.6	5.3	5.9	192	410
12g2.5	47.4	45.0	49.8	5.6	5.3	5.9	288	610
24g2.5	96.6	91.8	101.4	5.6	5.3	5.9	604	950
4g4	19.2	18.2	20.2	6.8	6.5	7.1	154	327
4g6	21.2	20.1	22.3	7.0	6.7	7.4	230	430
4g10	28.0	26.6	29.4	9.2	8.7	9.7	384	709
4g16	31.2	29.6	32.8	10.2	9.7	10.7	614	1015
4g25	40.8	38.8	42.8	12.4	11.8	13.0	960	1367
4g35	45.3	43.0	47.6	13.4	12.7	14.1	1344	1920
4g50	56.2	53.4	59.0	17.0	16.2	17.9	1920	2822
4g70	64.5	61.3	67.7	18.7	17.8	19.6	2688	3817
4g95	77.4	73.5	81.3	21.0	20.0	22.1	3648	4805
5g4	24.6	23.4	25.8	6.8	6.5	7.1	192	402
5g6	25.6	24.3	26.9	7.0	6.7	7.4	288	525
5g10	37.6	35.7	39.5	9.2	8.7	9.7	480	935
5g16	48.6	46.2	51.0	10.2	9.7	10.7	768	1317
7g4	32.9	31.3	34.5	6.8	6.5	7.1	269	567
7g6	37.4	35.5	39.3	7.0	6.7	7.4	403	755
8x1.5	61.0	58.0	64.1	5.2	4.9	5.5	115	265

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