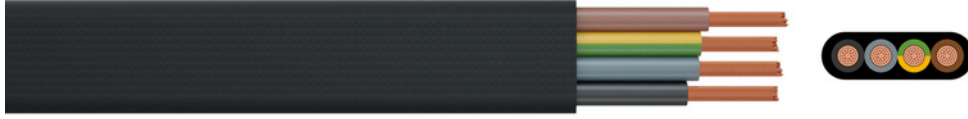


PVC flat cable

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: | VDE 0281-404 |
| 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 acc. to VDE 0298-3

| Installation | h < 8 mm | h = 8-12 mm | h = 12-20 mm | h > 20 mm |
|--------------------|----------|-------------|--------------|-----------|
| fixed installation | | 3 x h | | 4 x h |
| free movement | 3 x h | 4 x h | | 5 x h |
| festoon | 3 x h | 4 x h | | 5 x h |

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| | |
|---------------------------------------|--|
| 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 | w min. [mm] | w max. [mm] | w [mm] | h min. [mm] | h max. [mm] | h [mm] | Cu [kg/km] | G [kg] |
|----------|---------------------------|-------------|-------------|--------|-------------|-------------|--------|------------|--------|
| 031974 | 04G1.5 | 14.2 | 15.6 | 14.9 | 4.9 | 5.5 | 5.2 | 58 | 135 |
| 032153 | 05G1.5 | 16.8 | 18.6 | 17.7 | 4.9 | 5.5 | 5.2 | 72 | 140 |
| 032351 | 07G1.5 | 25.8 | 28.6 | 27.2 | 4.9 | 5.5 | 5.2 | 101 | 260 |
| 032004 | 08G1.5 | 26.1 | 28.9 | 27.5 | 4.9 | 5.5 | 5.2 | 115 | 265 |
| 032352 | 10G1.5 | 32.5 | 35.9 | 34.2 | 4.9 | 5.5 | 5.2 | 144 | 358 |
| 031975 | 12G1.5 | 37.8 | 41.8 | 39.8 | 4.9 | 5.5 | 5.2 | 173 | 442 |
| 031976 | 14G1.5 | 48.2 | 53.2 | 50.7 | 4.9 | 5.5 | 5.2 | 202 | 435 |
| 031977 | 18G1.5 | 58 | 64.1 | 61 | 4.9 | 5.5 | 5.2 | 259 | 559 |
| 035014 | 24G1.5 | 73.7 | 81.5 | 77.6 | 4.9 | 5.5 | 5.2 | 346 | 818 |
| 031978 | 04G2.5 | 16.3 | 18.1 | 17.2 | 5.3 | 5.9 | 5.6 | 96 | 206 |
| 032154 | 05G2.5 | 19.6 | 21.6 | 20.6 | 5.3 | 5.9 | 5.6 | 120 | 240 |
| 032353 | 07G2.5 | 28.9 | 31.9 | 30.4 | 5.3 | 5.9 | 5.6 | 168 | 365 |
| 032354 | 08G2.5 | 30.7 | 33.9 | 32.3 | 5.3 | 5.9 | 5.6 | 192 | 410 |
| 032355 | 12G2.5 | 45 | 49.8 | 47.4 | 5.3 | 5.9 | 5.6 | 288 | 610 |
| 032356 | 24G2.5 | 91.8 | 101.4 | 96.6 | 5.3 | 5.9 | 5.6 | 604 | 950 |
| 032357 | 04G4 | 18.2 | 20.2 | 19.2 | 6.5 | 7.1 | 6.8 | 154 | 327 |
| 032041 | 04G6 | 20.1 | 22.3 | 21.2 | 6.7 | 7.4 | 7 | 230 | 430 |
| 031979 | 04G10 | 26.6 | 29.4 | 28 | 8.7 | 9.7 | 9.2 | 384 | 709 |
| 032024 | 04G16 | 29.6 | 32.8 | 31.2 | 9.7 | 10.7 | 10.2 | 614 | 1015 |
| 033469 | 04G25 | 38.8 | 42.8 | 40.8 | 11.8 | 13 | 12.4 | 960 | 1367 |
| 032152 | 04G35 | 43 | 47.6 | 45.3 | 12.7 | 14.1 | 13.4 | 1344 | 1920 |
| 034819 | 04G50 (with reference to) | 53.4 | 59 | 56.2 | 16.2 | 17.9 | 17 | 1920 | 2822 |
| 034557 | 04G70 (with reference to) | 61.3 | 67.7 | 64.5 | 17.8 | 19.6 | 18.7 | 2688 | 3817 |
| 037424 | 04G95 (with reference to) | 73.5 | 81.3 | 77.4 | 20 | 22.1 | 21 | 3648 | 4805 |
| 032358 | 05G4 | 23.4 | 25.8 | 24.6 | 6.5 | 7.1 | 6.8 | 192 | 402 |
| 032301 | 05G6 | 24.3 | 26.9 | 25.6 | 6.7 | 7.4 | 7 | 288 | 525 |
| 032302 | 05G10 | 35.7 | 39.5 | 37.6 | 8.7 | 9.7 | 9.2 | 480 | 935 |
| 032361 | 05G16 | 46.2 | 51 | 48.6 | 9.7 | 10.7 | 10.2 | 768 | 1317 |
| 032359 | 07G4 | 31.3 | 34.5 | 32.9 | 6.5 | 7.1 | 6.8 | 269 | 567 |
| 032360 | 07G6 | 35.5 | 39.3 | 37.4 | 6.7 | 7.4 | 7 | 403 | 755 |

| | |
|--------|--------------------------------|
| w min. | width of (flat) cable min. |
| w max. | width of (flat) cable max. |
| w | Width of (flat) cable approx. |
| h min. | height of (flat) cable min. |
| h max. | height of (flat) cable max. |
| h | Approx. height of (flat) cable |
| Cu | Copper weight (GER) |
| G | net weight per 1000 |