

H07VVH6-F

FLAT LIFT CABLES



Operating voltage
450/750 V



Test voltage
2,5 kV



Temp. range
fixed installation
from - 40°C to + 70°C



Temp. range
during installation
- 20°C to + 70°C



Bending radius
10xD



High
flexibility



Flame retardant
PN-EN 60332-1-2



Indoor
application



UV resistance

APPLICATIONS

H07VVH6-F are flexible power and control cables designed for trolley systems, transport lines, machine tools, especially on hosting devices, lift, crane worked in dry and wet locations.

The cables are designed to offer high flexibility combined with tensile strength.

Cable outer sheath is oil-resistant.

The cables are suitable for connecting fixed and movable equipment in dry or wet locations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- PVC insulation - identification colour code:
 - up to 5 cores - in accordance with PN-HD 308,
 - from 6 cores - black and white conductor number printed on it,
 - optional green-yellow protective conductor located near the axis of the cable,
- insulated conductors laid parallel side by side in groups along the cable,
- black PVC cable sheath, other colours also available.

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CHARACTERISTICS

Conductor cross-section	mm ²	1.5	2.5	4.0	6.0	10
DC conductor resistance at 20°C, maximum	Ω/km	13.30	7.98	4.95	3.30	1.91
DC insulation resistance at 70°C, minimum	MΩ·km	0.0100	0.0090	0.0070	0.0060	0.0056

Operating voltage U ₀ /U	450/750 V	Operating temperature range	
Voltage test	2500 V rms	for fixed equipment	from - 40 to + 70°C
Maximum length of the free suspension	35 m	for movable equipment	from - 20 to + 70°C
Maximum speed movement	1.6 m/s	Minimum bending radius	10 x cable height
Conductor temperature limit		Cable combustibility	flame retardant
in work conditions	+ 70°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
at short-circuit	+ 150°C	Reference standards	DIN VDE 0281 part 404, HD 359

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable height (appr.)	Cable width (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	mm	kg/km	kg/km
0551 014	3 G 1,5	4.9 do 5.2	11.5 do 12.5	43.2	108
0551 015	3 G 2,5	5.6 do 5.9	14.0 do 15.0	72.0	159
0551 011	4 G 1,5	4.9 do 5.2	14.5 do 15.5	57.6	140
0551 002	4 G 2,5	5.6 do 5.9	17.5 do 18.5	96.0	204
0551 007	4 G 4,0	6.8 do 7.1	20.0 do 21.0	153.6	289
0551 006	4 G 6,0	7.5 do 7.8	22.0 do 23.0	230.4	383
0551 008	4 G 10	8.7 do 9.2	27.5 do 29.0	384.0	615
0551 016	5 G 1,5	4.9 do 5.2	17.5 do 18.5	72.0	172
0551 017	5 G 2,5	5.6 do 5.9	21.0 do 22.0	120.0	251
0551 018	5 G 4	6.8 do 7.1	24.0 do 25.0	192.0	357
0551 019	5 G 6	7.5 do 7.8	26.5 do 28.0	288.0	475
0551 020	5 G 10	8.7 do 9.2	33.5 do 35.0	480.0	765

Product No.	Number of conductors x conductor cross-section	Cable height (appr.)	Cable width (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	mm	kg/km	kg/km
0551 021	6 G 1,5	4.9 do 5.2	21.5 do 22.5	86.4	211
0551 022	6 G 2,5	5.6 do 5.9	25.5 do 27.0	144.0	309
0551 012	7 G 1,5	4.9 do 5.2	24.5 do 25.5	100.8	244
0551 013	7 G 2,5	5.6 do 5.9	29.5 do 31.0	168.0	356
0551 001	8 G 1,5	4.9 do 5.2	27.0 do 28.5	115.2	276
0551 003	8 G 2,5	5.6 do 5.9	33.0 do 34.5	192.0	402
0551 023	9 G 1,5	4.9 do 5.2	31.0 do 32.5	129.6	315
0551 024	9 G 2,5	5.6 do 5.9	38.0 do 40.0	216.0	461
0551 009	10 G 1,5	4.9 do 5.2	34.0 do 36.0	144.0	347
0551 025	10 G 2,5	5.6 do 5.9	41.5 do 43.5	240.8	507
0551 004	12 G 1,5	4.9 do 5.2	40.0 do 42.0	172.0	411
0551 005	12 G 2,5	5.6 do 5.9	48.5 do 51.0	288.0	601

Other cross-sections and conductor counts available on request.

Attention: For cable with green-yellow protective conductor, instead mark „x” in cable symbol is used letter „G”.

Cable marking, for example:

H07VVH6-F 4x1,5 mm² – cable without green-yellow protective conductor,

H07VVH6-F 4G1,5 mm² – cable with green-yellow protective conductor.

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.