

# FLATFLEX H07VVH6-F

PVC Flat cable harmonized according to VDE 0281 HD 359



## Application

PVC Flat cables are suitable for use as both power and control cables for many different types of travelling machinery including :- Hoists, Cranes, Trolley systems, Transfer lines, Container bridges, Machine tools, Elevators etc. They are also suitable for other applications where cables are required to be bent to a tight radius in one direction.



## Construction

Conductor :	Fine stranded plain copper according to VDE 0295 Class 5
Insulation:	PVC, mixed compound Y12 according to DIN VDE 0207 part 4
Core colour :	According to VDE 0293 - up to 5 wires coloured, 6 wires and above black with white numbers with green/yellow earth (also available without g/y on request)
Core Arrangement :	Cores arranged side by side in a single layer
Sheath :	PVC, mixed compound Y12 according to DIN VDE 0207 part 4
Sheath colour :	Black
Imprint :	SIMBAL FLATFLEX



## Working Environment

Maximum operating temperature in mobile application :	-25 deg C - + 70 deg C
Maximum temperature at conductor :	+70 deg C
Environment :	suitable for use in dry & humid areas

## Electrical properties

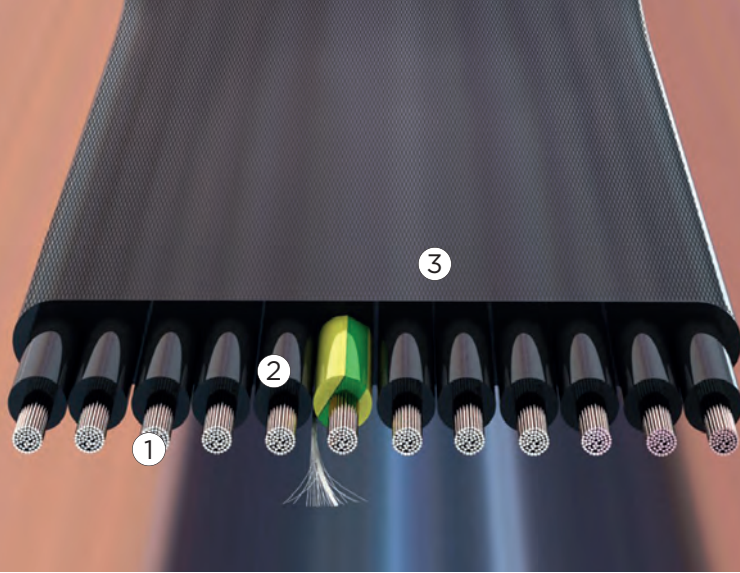
Nominal voltage :	450/750 V
Test Voltage :	3000 V
Conductor resistance :	In accordance with VDE0295 class 5
Insulation resistance :	> 20 MOhms x km

## Additional information

Minimum bending radius :	Mobile application - 5 x cable thickness
Max travel speed :	1.6 m/s (according to VDE)
Maximum suspended height:	35 meters
Oil resistance :	According to VDE 0472
Flame resistance :	According to VDE 0482 pt IEC 332-1-2 resp. IEC 60332-1-2

## Applied Standards

Similar to VDE 0281 / HD 359



- ① Copper conductor
- ② PVC Insulation
- ③ PVC outer sheath

## FLATFLEX H07VVH6-F PVC Harmonized flat cable according to VDE 0281 part 403, 404 <HAR> Resistant to cold

Part No	Cross Section mm <sup>2</sup>	Current Rating @ 30 Deg	CU Number kg/km	Outer Dimensions approx. (mm)	Weight kg/km	Plated brass gland size
08011 0150 04	4 G 1.5	19A	58.0	15.0 x 5.0	150	12.1616
08011 0250 04	4 G 2.5	27A	96.0	18.5 x 5.7	210	12.2121
08011 0400 04	4 G 4	36A	154.0	21.0 x 6.5	300	12.2121
08011 0600 04	4 G 6	46A	230.0	23.0 x 7.0	385	12.2930
08011 1000 04	4 G 10	64A	384.0	28.8 x 9.0	620	12.2930
08011 1600 04	4 G 16	86A	614.0	36.8 x 10.8	990	12.3640
08011 2500 04	4 G 25	114A	960.0	45.5 x 13.5	1550	8107
08011 3500 04	4 G 35	142A	1344.0	50.5 x 14.8	2030	8107
08011 5000 04	4 G 50	176A	1920.0	56.0 x 16.5	2650	8108
08011 7000 04	4 G 70	218A	2688.0	63.0 x 18.0	3650	8108
08011 9500 04	4 G 95	262A	3648.0	72.5 x 20.5	4550	8108
08011 0150 05	5 G 1.5	19A	72.0	18.0 x 5.0	180	12.2121
08011 0250 05	5 G 2.5	27A	120.0	22.0 x 5.7	260	12.2930
08011 0400 05	5 G 4	36A	192.0	26.0 x 6.9	390	12.2930
08011 0600 05	5 G 6	46A	288.0	29.5 x 7.6	530	12.2930
08011 1000 05	5 G 10	64A	480.0	36.5 x 9.4	868	12.3640
08011 1600 05	5 G 16	86A	768.0	42.5 x 10.7	1223	12.4245
08011 0150 07	7 G 1.5	19A	101.0	26.0 x 5.0	260	12.2930
08011 0250 07	7 G 2.5	27A	168.0	32.3 x 5.7	380	12.3640
08011 0400 07	7 G 4	36A	269.0	40.0 x 6.8	550	12.3640
08011 0600 07	7 G 6	46A	403.0	43.0 x 7.6	750	12.4245
08011 0150 08	8 G 1.5	14A	115.0	29.0 x 5.0	300	12.2930
08011 0250 08	8 G 2.5	20A	192.0	34.5 x 5.7	405	12.3640
08011 0150 10	10 G 1.5	12A	144.0	35.0 x 5.0	360	12.3640
08011 0150 12	12 G 1.5	11A	173.0	40.5 x 5.0	420	12.3642
08011 0250 12	12 G 2.5	15A	288.0	50.5 x 5.7	620	12.4250
08011 0150 16	16 G 1.5	10A	230.4	53.5 x 5.0	560	12.4250
08011 0150 18	18 G 1.5	9A	259.2	58.0 x 5.0	620	8107
08011 0150 24	24 G 1.5	9A	346.0	80.0 x 5.0	859	8110
08011 0250 24	24 G 2.5	12A	576.0	95.1 x 5.5	1260	8110

Other sizes are available on request

We reserve the right to amend all technical details without prior notification