

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:	Flexible PVC, mixed compound T12
Core colour :	According to VDE 0293-308 - 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 :	Flexible PVC, mixed compound TM2
Sheath colour :	Black
Imprint :	SIMBAL FLATFLEX

Working Environment

Maximum operating temperature in fixed application :	-40 deg C - + 60 deg C
Maximum operating temperature in mobile application :	-5 deg C - + 60 deg C
Maximum temperature at conductor :	+70 deg C
Maximum temperature under short circuit conditions :	+ 160 deg C
Environment :	suitable for use in dry & humid areas

Electrical properties

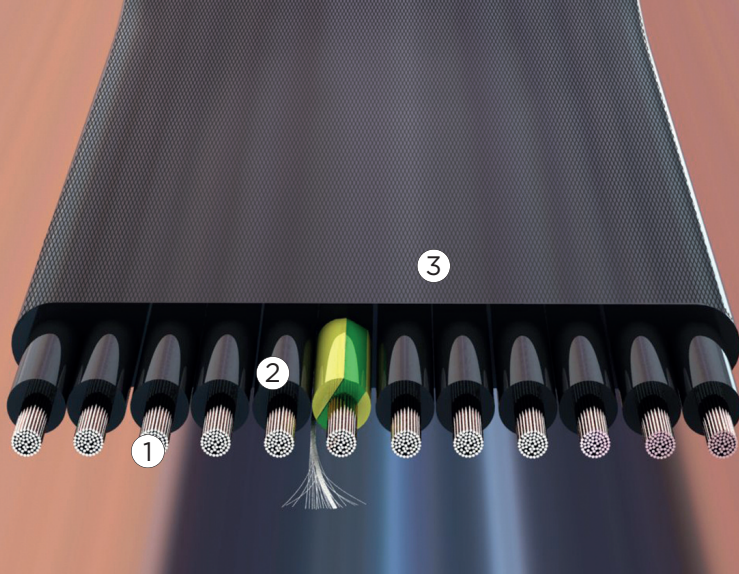
Nominal voltage :	450/750 V
Test Voltage :	2500 V
Current carrying capacity :	According to VDE 0298-4
Conductor resistance :	In accordance with VDE0295 class 5
Insulation resistance :	> 20 MOhms x km

Additional information

Minimum bending radius :	Free movement - 5 x cable thickness Deflected by pulleys - 10 x cable thickness Festooned on gantry cranes - 10 x cable thickness
Max travel speed :	120 metres/minute
Max tensile load on conductor :	15 N/mm ²
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 ²	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	18A	53.4	14.9 x 5.2	159	12.1616
08011 0250 04	4 G 2.5	26A	89.0	17.2 x 5.6	208	12.2121
08011 0400 04	4 G 4	34A	142.4	19.2 x 6.8	291	12.2121
08011 0600 04	4 G 6	44A	213.6	21.2 x 7.0	378	12.2930
08011 1000 04	4 G 10	61A	356.0	28.0 x 9.2	640	12.2930
08011 1600 04	4 G 16	82A	569.6	31.2 x 10.2	888	12.3640
08011 2500 04	4 G 25	108A	890.0	40.8 x 12.4	1374	8107
08011 3500 04	4 G 35	135A	1246.0	45.3 x 13.4	1801	8107
08011 5000 04	4 G 50	168A	1780.0	56.2 x 17.0	2683	8108
08011 7000 04	4 G 70	207A	2492.0	64.5 x 18.7	3708	8108
08011 9500 04	4 G 95	250A	3382.0	77.4 x 21.0	4805	8108
08011 0150 05	5 G 1.5	18A	66.8	17.7 x 5.2	181	12.2121
08011 0250 05	5 G 2.5	26A	111.3	20.6 x 5.6	252	12.2930
08011 0400 05	5 G 4	34A	178.0	24.6 x 6.8	381	12.2930
08011 0600 05	5 G 6	44A	267.0	25.6 x 7.0	464	12.2930
08011 1000 05	5 G 10	61A	445.0	37.6 x 9.2	850	12.3640
08011 1600 05	5 G 16	82A	712.0	48.6 x 10.2	1256	12.4245
08011 0150 07	7 G 1.5	14A	93.5	27.2 x 5.2	305	12.2930
08011 0250 07	7 G 2.5	21A	155.8	30.4 x 5.6	366	12.3640
08011 0400 07	7 G 4	27A	249.2	32.9 x 6.8	538	12.3640
08011 0600 07	7 G 6	35A	373.8	37.4 x 7.0	665	12.4245
08011 0150 08	8 G 1.5	12A	106.8	27.5 x 5.2	291	12.2930
08011 0250 08	8 G 2.5	17A	178.0	32.3 x 5.6	398	12.3640
08011 0150 10	10 G 1.5	10A	133.5	34.2 x 5.2	368	12.3640
08011 0150 12	12 G 1.5	10A	160.2	39.8 x 5.2	432	12.3642
08011 0250 12	12 G 2.5	14A	267.0	47.4 x 5.6	589	12.4250
08011 0150 16	16 G 1.5	9A	213.6	53.0 x 5.2	575	12.4250
08011 0150 18	18 G 1.5	9A	240.3	61.0 x 5.2	686	8107
08011 0150 24	24 G 1.5	8A	320.4	77.6 x 5.2	811	8110
08011 0250 24	24 G 2.5	12A	534.0	96.6 x 5.6	1282	8110

Other sizes are available on request

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