



## USE OF CABLE

power and control cable for trolley systems, transfer lines, machine-tools especially on hoisting devices, lift, crane and container bridges. Also in applications where cables are bended strongly in permanent moving operation in one level. Suitable for dry, humid and wet rooms.



## SPECIAL FEATURES

- significant smaller bending radius compared to round cables
- free from lacquer damaging substances and silicone (during production)

## REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.
- Halogen-free flat cable LSOH you'll find on page 06.04.01
- Available accessory you'll find on pages 15.35.XX

## PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE 0295 class 5 resp. IEC 60228 class 5
Core insulation:	PVC
Core identification:	Acc. to VDE 0293-308 up to 5 wires coloured, from 6 wires black with white numerals resp. white with black numerals, with or without GNYE
Stranding:	Cores parallel side by side
Outer sheath:	PVC
Sheath colour:	Black, RAL 9005
Rated voltage:	U <sub>o</sub> /U 450/750 V
Testing voltage:	2,5 kV
Current-carrying-capacity:	Acc. to DIN EN50565-1
Min. bending radius fixed:	Acc. to DIN EN50565-1
Min. bending radius moved:	Acc. to DIN EN50565-1
Operat. temp. fixed min/max:	-35 °C / +60 °C
Operat. temp. moved min/max:	-25 °C / +60 °C
Temp. at conductor:	+70 °C
Burning behavior:	Self-extinguishing and flame retardant acc. to IEC 60332-1
Suspension height:	Max. 35 m
Standard:	Acc. to DIN EN 50214

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3000578	4 X 1,5	4,5 X 14,5 - 5,2 X 15,6	58,00	150,00	black	V1: (H)07VVH6-F
3000683	8 X 1,5	4,5 X 26,7 - 5,2 X 28,3	115,00	300,00	black	V1: (H)07VVH6-F
3000574	12 X 1,5	4,5 X 37,9 - 5,6 X 41,4	173,00	420,00	black	V1: (H)07VVH6-F
3002294	16 X 2,5	5,8 X 66,0	407,00	1080,00	black	V1: (H)07VVH6-F
3000616	4 G 1,5	4,5 X 14,5 - 5,8 X 15,6	58,00	150,00	black	V2: H07VVH6-F
3000642	5 G 1,5	4,5 X 17,1 - 5,8 X 18,6	72,00	180,00	black	V2: H07VVH6-F
3000648	7 G 1,5	4,5 X 23,9 - 5,8 X 26,0	101,00	260,00	black	V2: H07VVH6-F
3000655	8 G 1,5	4,5 X 26,7 - 5,8 X 28,3	115,00	300,00	black	V2: H07VVH6-F
3000581	10 G 1,5	4,5 X 32,0 - 5,8 X 35,0	144,00	360,00	black	V2: H07VVH6-F
3000589	12 G 1,5	4,5 X 37,9 - 5,8 X 41,4	173,00	420,00	black	V2: H07VVH6-F
3000596	14 G 1,5	4,5 X 45,2 - 5,8 X 50,8	202,00	490,00	black	V2: H07VVH6-F
3000598	16 G 1,5	4,5 X 50,4 - 5,8 X 54,0	230,00	560,00	black	V2: H07VVH6-F
3000603	18 G 1,5	4,5 X 54,9 - 5,8 X 60,2	259,00	620,00	black	V2: H07VVH6-F

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3000611	24 G 1,5	4,5 X 74,5 - 5,8 X 83,0	346,00	790,00	black	V2: H07VVH6-F
3000623	4 G 2,5	5,2 X 17,4 - 6,0 X 18,2	96,00	210,00	black	V2: H07VVH6-F
3000647	5 G 2,5	5,2 X 20,8 - 6,0 X 23,2	120,00	260,00	black	V2: H07VVH6-F
3000650	7 G 2,5	5,2 X 29,4 - 6,0 X 32,4	168,00	380,00	black	V2: H07VVH6-F
3000657	8 G 2,5	5,2 X 31,2 - 6,0 X 34,8	192,00	405,00	black	V2: H07VVH6-F
3000593	12 G 2,5	5,2 X 47,2 - 6,0 X 50,8	288,00	620,00	black	V2: H07VVH6-F
3000612	24 G 2,5	5,2 X 90,0 - 6,0 X 98,7	576,00	1160,00	black	V2: H07VVH6-F
3000631	4 G 4	6,2 X 19,6 - 6,9 X 20,0	154,00	300,00	black	V2: H07VVH6-F
3000640	5 G 4	6,2 X 23,8 - 7,0 X 26,0	192,00	380,00	black	V2: H07VVH6-F
3000652	7 G 4	6,2 X 33,0 - 7,0 X 38,0	269,00	550,00	black	V2: H07VVH6-F
3000778	12 G 4	6,2 X 54,2 - 7,0 X 58,5	462,00	880,00	black	V2: H07VVH6-F
3000634	4 G 6	6,9 X 21,8 - 7,2 X 22,8	230,00	390,00	black	V2: H07VVH6-F
3000644	5 G 6	6,9 X 25,6 - 7,2 X 26,6	290,00	480,00	black	V2: H07VVH6-F
3000653	7 G 6	6,9 X 39,5 - 8,5 X 42,5	403,00	700,00	black	V2: H07VVH6-F
3000618	4 G 10	8,5 X 26,6 - 10,5 X 29,0	384,00	620,00	black	V2: H07VVH6-F
3000645	5 G 10	8,5 X 33,1 - 10,5 X 38,3	480,00	780,00	black	V2: H07VVH6-F
3000621	4 G 16	9,8 X 31,4 - 11,0 X 37,0	614,00	990,00	black	V2: H07VVH6-F
3000646	5 G 16	9,8 X 38,6 - 11,0 X 43,0	770,00	1200,00	black	V2: H07VVH6-F
3001830	7 G 16	9,5 X 58,0 - 11,5 X 62,0	1075,20	1700,00	black	V2: H07VVH6-F
3000625	4 G 25	11,5 X 37,9 - 13,5 X 46,0	960,00	1550,00	black	V3: (H)07VVH6-F
3000630	4 G 35	13,1 X 42,9 - 14,8 X 51,0	1344,00	2030,00	black	V3: (H)07VVH6-F
3000633	4 G 50	15,0 X 52,1 - 17,0 X 57,0	1920,00	2650,00	black	V3: (H)07VVH6-F
3000637	4 G 70	17,5 X 62,0 - 18,5 X 64,0	2700,00	3650,00	black	V3: (H)07VVH6-F
3000638	4 G 95	20,0 X 72,0 - 21,0 X 74,0	3650,00	4550,00	black	V3: (H)07VVH6-F
3000700	4 G 120	21,0 X 80,0 - 25,0 X 86,0	4610,00	5500,00	black	V3: (H)07VVH6-F