H07VVH6-F (UNFLAT)

PVC Flat Power and Control Cable

CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	PVC compound, TI2 type (EN 50363-3)
Sheath	PVC compound, TM2 type (EN 50363-4-1)
Color	Black

MAIN CHARACTERISTICS

Construction	EN 50214, IEC 60227-6, VDE 0283-2
General Requirements	EN 50525-1
Guide to Use	EN 50565-1/2, EN 81 series (safety rules for the c onstruction and installation of lifts)
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	IEC 60228, VDE 0295, BS 6360
Flame Retardant	IEC 60332-1-2

OPERATING CHARACTERISTICS

Rated Voltage	450/750 V (U_o/U)
AC Test Voltage	2 kV
Working Tempetature	
In Flexing Use	-5˚C to +70˚C
In Fixed Use	-30˚C to +70˚C
Conductor Short-Circuit Temp.	150˚C (Max. 5 sec)
Min. Installation Temp.	5˚C
Min. Bending Radius	EN 50565-1 Tab. 3
Current Carrying Capacities	VDE 0298-4 Tab.11

APPLICATIONS

These power and control flat cables can be used on festoons systems on handling equipment. as overhead cranes. They are Used as control cables in lifts, elevators and conveyor systems. The hanging length of the cable can reach up to 35m and its pull out speed can reach up to 1.6 m/s (overlaying cables is not recommended when installing). Üntel Kablo certifies the usage of this cable permanently submerged in water up to 10 bar (100 mts) and IPX8 tested by TUV

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Cross Section (mm^2)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
3x1,5	5,50 x 14,20	145	28	13,30
3x2,5	5,60 x 14,40	168	28	7,98
3x4	7,10 x 15,70	243	36	4,95
3x6	8,40 x 17,60	335	42	3,30
3x10	9,50 x 22,50	507	48	1,91
3x16	10,70 x 25,20	706	54	1,21
3x25	13,40 x 32,20	1084	80	0,78
3x35	14,50 x 35,10	1380	87	0,55
3x50	16,90 x 42,20	1947	101	0,554
3x70	18,00 x 46,00	2532	108	0,386
3x95	20,70 x 53,30	3319	124	0,272
3x120	24,40 x 64,50	4511	146	0,206
3x150	26,60 x 71,80	5508	160	0,161
3x10+6	8,90 x 28,00	598	45	0,129
3x16+10	9,80 x 31,20	824	49	1,21
3x25+16	12,40 x 40,80	1297	74	0,78
3x35+25	13,60 x 45,30	1692	82	0,554
3x50+25	17,00 x 56,20	2456	102	0,386
3x70+35	19,40 x 64,50	3373	116	0,272
3x95+50	21,00 x 77,40	4394	126	0,206
3x120+70	25,00 x 81,00	5769	150	0,161
3x150+70	26,60 x 95,90	6899	160	0,129
3x150+95	26,60 x 95,90	7024	160	0,129
4x1,5	5,30 x 14,90	154	27	13,30
4x2,5	5,40 x 17,20	202	27	7,98
4x4	6,30 x 19,20	282	32	4,95
4x6	6,80 x 21,20	367	34	3,30
4x10	8,90 x 28,00	624	45	1,91
4x16	9,80 x 28,00	861	49	1,21
4x25	12,40 x 40,80	1342	74	0,78
4x35	13,60 x 45,30	1747	82	0,55
4x50	17,00 x 56,20	2603	82	0,386

All info/data given here are only informative and subject to change without prior notice.

HO7VVH6-F (UNFLAT)

Cross Section (mm^2)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
4x70	19,40 x 64,50	3597	116	0,272
4x95	21,00 x 77,40	4657	126	0,206
4x120	24,80 x 84,20	5999	149	0,161
4x150	26,60 x 95,90	7350	160	0,129
5x1,5	4,90 x 17,70	176	25	13,30
5x2,5	5,40 x 20,60	244	27	7,98
5x4	6,60 x 24,60	370	33	4,95
5x6	6,80 x 25,60	450	34	3,30
5x10	8,80 x 34,20	792	44	1,91
5x16	9,60 x 37,60	1072	48	1,21
7x1,5	5,70 x 27,20	296	29	13,30
7x2,5	5,40 x 30,40	355	27	7,98
7x4	7,00 x 32,90	522	35	4,95
7x6	6,80 x 37,40	645	34	3,30
8x1,5	5,10 x 27,50	282	26	13,30
8x2,5	5,40 x 32,30	386	27	7,98
10x1,5	5,20 x 34,20	357	26	13,30
12x1,5	5,20 x 39,80	419	26	13,30
12x2,5	5,40 x 47,40	571	27	7,98
14x1,5	5,60 x 50,70	552	28	13,30
16x1,5	5,20 x 53,00	558	26	13,30
16x2,5	5,40 x 62,50	756	27	7,98
24x1,5	4,90 x 77,60	787	25	13,30
24x2,5	6,00 x 96,60	1244	30	7,98