H05VVH6 - F / HO7VVH6 - F

CABLE STRUCTURE

Conductors	Electrolytic, stranded, plain annealed copper wire Class 5 according to IEC 60228
Insulation	Flexible PVC Compound (TI2 type)
Core Identification	Up to 5 cores: colored in accordance with DIN VDE 0293-308; From 6 cores: white cores with white numbers
Outer Sheath	Flexible PVC Compound (TM2 type)
Color	Black

STANDARDS &MAIN CHARACTERISTICS

Construction	TS/DIN EN 50214 - HD 359 S2 - IEC 227 Part 6 - VDE 0281 part 404
Flame Retardant	IEC 60332-1
Oil Resistant	HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1

OPERATING CHARACTERISTICS

Rated Voltage	H07VVH6-F : 450/750 V H05VVH6-F : 300/500 V
AC Test Voltage	H07VVH6-F : 2500 V H05VVH6-F : 2000 V
Min Bending Radius	Free movement: 5 x D Deflected by pulleys: 10 x D Festooned as in gantry cranes: 10 x D
Current Carrying Capacity	According to DIN VDE 0298-4
Working Temperature	
Fixed Installation	- 40 °C up to + 60 °C
Mobile Operation	- 25 °C up to + 60 °C
Max. Tensile Load On Conductor	15 N/mm²
Max. Suspended Height	35 meters
Travel Speed In Festoon Systems	up to 120 m/min

Application

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).

Oil Resistant · Tear Resistant · Uv Resistant · Ozone Resistant

Cross Section (mm^2)	Overall Diameter Min. - Max. (mm)	Approximate Weight (kg / km)
4 x 0,75	4,6 x 11,6 / ± % 5	110
8 x 0,75	4,6 x 23,1 / ± % 5	214
12 x 0,75	4,6 x 35,1 / ± % 5	318
18 x 0,75	4,6 x 50,1 / ± % 5	452
24 x 0,75	4,6 x 65,1 / ± % 5	550
4 x 1	4,9 x 12,4 / ± % 5	120
8 x 1	4,9 x 25,6 / ± % 5	250
12 x 1	4,9 x 36,1 / ± % 5	370
18 x 1	4,9 x 36,1 / ± % 5	548
24 x 1	4,9 x 71,2 / ± % 5	731
4 x 1,5	5,2 x 14,9 / ± % 5	159
5 x 1,5	5,2 x 17,7 / ± % 5	181
7 x 1,5	5,2 x 27,2 / ± % 5	305
8 x 1,5	5,2 x 27,5 / ± % 5	291
10 x 1,5	5,2 x 34,2 / ± % 5	368
12 x 1,5	5,2 x 39,8 / ± % 5	432
14 x 1,5	5,2 x 50,7 / ± % 5	560
16 x 1,5	5,2 x 53,0 / ± % 5	575
18 x 1,5	5,2 x 61,0 / ± % 5	686
24 x 1,5	5,2 x 77,6 / ± % 5	811
4 x 2,5	5,6 x 17,2 / ± % 5	208
5 x 2,5	5,6 x 20,6 / ± % 5	252
7 x 2,5	5,6 x 30,4 / ± % 5	366
8 x 2,5	5,6 x 32,3 / ± % 5	398
12 x 2,5	5,6 x 47,4 / ± % 5	589
18 x 2,5	5,6 x 72,9 / ± % 5	910
24 x 2,5	5,6 x 96,6 / ± % 5	1282
4 x 4	6,8 x 19,2 / ± % 5	291
5 x 4	6,8 x 24,6 / ± % 5	381
7 x 4	6,8 x 32,9 / ± % 5	538
4 x 6	7,0 x 21,2 / ± % 5	378
5 x 6	7,0 x 25,6 / ± % 5	464

Cross Section (mm²)	Overall Diameter Min. - Max. (mm)	Approximate Weight (kg / km)
7 x 6	7,0 x 37,4 / ± % 5	665
4 x 10	9,2 x 28,0 / ± % 5	643
5 x 10	9,2 x 37,6 / ± % 5	850
4 x 16	10,2 x 31,2 / ± % 5	888
5 x 16	10,2 x 48,6 / ± % 5	1256
4 x 25	12,4 x 40,8 / ± % 5	1384
4 x 35	13,4 x 45,3 / ± % 5	1801
4 x 50	17,0 x 56,2 / ± % 5	2683
4 x 70	18,7 x 64,5 / ± % 5	3708
4 x 95	21,0 x 77,4 / ± % 5	4805