

H05 VVH6-F

Flexible flat cables 300/500 V



industrial application



internal application



EN 60332-1



high flexibility

Technical data:

Flat control cable with numbered conductors, with a PVC insulation and sheath

Operating temperature:

Fixed systems: -30°C to 70°C

Mobile systems: -5°C to 70°C

Min. installation temp.: -5°C

Operating voltage: $U_0=300/500$ V

Test voltage 50Hz: 3000V

Min. bending radius: 10 x cable thickness

Design:

Conductors: multi-stranded copper conductors, class 5 as per standard PN-EN 60228

Conductor insulation: special PVC

Conductor marking: numerical, yellowgreen protective conductor

Stranding element: conductors arranged in parallel

Sheath: special PVC, oil resistant (cl. chemical resistance table), self-extinguishing and flame retardant (acc. to PN-EN 60332-1)

Sheath colour: black

Application:

Flat cables are used for making electrical connections in belt conveyor systems, hoisting equipment, lifts and elevators, as well as in other applications in the machine-building industry. They are intended for usage in closed rooms, both dry and damp.

Cat. no.	n x mm ²	External dimensions [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S52950	6 G 0,75	17,2/4,1	125,0	43,2
S52951	9 G 0,75	24,8/4,1	182,5	64,8
S52952	12 G 0,75	31,7/4,1	234,0	86,4
S52953	16 G 0,75	41,6/4,1	309,0	115,2
S52954	18 G 0,75	46,4/4,1	347,5	129,6
S52955	20 G 0,75	51,5/4,1	383,0	144,0
S52956	24 G 0,75	61,4/4,1	458,0	172,8
S52957	4 G 1,0	12,5/4,3	98,5	38,4

Cat. no.	n x mm ²	External dimensions [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S52958	5 G 1,0	15,0/4,3	118,0	48,0
S52959	6 G 1,0	18,0/4,3	141,5	57,6
S52960	9 G 1,0	26,0/4,3	207,0	86,4
S52961	12 G 1,0	33,5/4,3	268,0	115,2
S52962	16 G 1,0	44,0/4,3	352,0	153,6
S52963	18 G 1,0	49,0/4,3	394,0	172,8
S52964	20 G 1,0	54,5/4,3	438,5	192,0
S52965	24 G 1,0	65,0/4,3	523,5	230,4

The Cable Factory Bitner reserves the right to modify specifications without prior notification

G - cables with a green-yellow conductor

x - cables without a green-yellow conductor

Note: If so requested by the customer, we can manufacture cables with a different number of conductors or cross sections different from those set forward in the table.

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