

PVC-flat (H05 VVH6-F/H07 VVH6-F) 300/500V and 450/750V



Technical data

- Special PVC-flat cable,
H05 VVH6-F to EN 50214
H07 VVH6-F to HD 359 S2
(25 mm² and above in adapted)
- **Temperature range**
flexing -5 °C to +70 °C
fixed installation -40 °C to +80 °C
- **Nominal voltage**
H05 VVH6-F = up to 1 mm²
U₀/U 300/500V
H07 VVH6-F = 1,5 mm² U₀/U 450/750 V
- **Test voltage**
H05 VVH6-F = up to 1 mm² 2000 V
H07 VVH6-F = 1,5 mm² 2500 V
- **Minimum bending radius**
10x cable thickness
- **Radiation resistance**
up to 80x106 cJ/kg (up to 80 Mrad)

Cable structure

- Bare copper, stranded to DIN VDE 0295
cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation T12 to
DIN VDE 0281 part 1
- Cores laying parallel
- Core identification up to 5 cores to colour
code DIN VDE 0293
7 cores and above with number printing
- Green-yellow earth core
- Special PVC outer jacket TM2 to
DIN VDE 0281 part 1
- Colour black (RAL 9005)

Properties

- Extensively oil resistant, oil-/ chemical
Resistance - see table Technical
Informations
- Extremely small bending radius
- High flexibility
- Minimum waste of space
- Packaging possibility
- PVC self-extinguishing and flame retardant
according to VDE 0482-332-1-2, DIN EN
60332-1-2/ IEC 60332-1 (equivalent
DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are
cadmium-free and contain no silicone and
free from substances harmful to the
wetting properties of lacquers

Note

- Art.No. 27012 (6x4).
- G = with green-yellow earth core

Application

PVC type of flat cables are used mainly as trailing cable for crane installations, floor conveyer systems and shelf control units.

Installation notes: See NEO flat at page J5.

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No. cores x cross-sec. mm ²	Outer dimension approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
26980	4 G 0,75	4,3 x 12,6	28,8	90,0	18
26981	5 G 0,75	4,3 x 16,1	36,0	115,0	18
26982	6 G 0,75	4,3 x 19,4	43,2	141,0	18
26983	9 G 0,75	4,3 x 26,4	64,8	198,0	18
26984	10 G 0,75	4,3 x 30,1	72,0	224,0	18
26985	12 G 0,75	4,3 x 33,8	84,4	258,0	18
26986	16 G 0,75	4,3 x 44,4	115,2	340,0	18
26987	18 G 0,75	4,3 x 49,2	129,6	380,0	18
26988	20 G 0,75	4,3 x 55,0	144,0	424,0	18
26989	24 G 0,75	4,3 x 65,6	172,8	509,0	18
26990	3 G 1	4,5 x 10,8	28,8	80,0	17
26991	4 G 1	4,5 x 13,4	38,4	104,0	17
26992	5 G 1	4,5 x 16,0	48,0	134,0	17
26993	6 G 1	4,5 x 20,6	57,6	161,0	17
26994	9 G 1	4,5 x 28,4	86,4	230,0	17
26995	10 G 1	4,5 x 30,0	96,0	256,0	17
26996	12 G 1	4,5 x 36,2	115,2	298,0	17
26997	16 G 1	4,5 x 47,6	153,6	395,0	17
26998	18 G 1	4,5 x 52,8	172,8	441,0	17
26999	20 G 1	4,5 x 59,0	192,0	495,0	17
27000	24 G 1	4,5 x 70,4	230,4	590,0	17
27001	4 G 1,5	4,5 x 13,7	58,0	133,0	16
27002	5 G 1,5	4,5 x 17,9	72,0	169,0	16
27003	7 G 1,5	4,5 x 23,5	101,0	235,0	16
27004	8 G 1,5	4,5 x 26,8	115,0	265,0	16
27005	10 G 1,5	4,5 x 33,5	144,0	332,0	16
27006	12 G 1,5	4,5 x 38,9	173,0	421,0	16
27028	16 G 1,5	4,5 x 51,5	230,4	555,0	16
27030	24 G 1,5	4,5 x 83,0	346,0	820,0	16
27007	4 G 2,5	5,5 x 17,0	96,0	205,0	14
27008	5 G 2,5	5,5 x 21,5	120,0	256,0	14

Part no.	No. cores x cross-sec. mm ²	Outer dimension approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
27009	7 G 2,5	5,5 x 30,3	168,0	344,0	14
27010	8 G 2,5	5,5 x 31,9	192,0	389,0	14
27011	12 G 2,5	5,8 x 47,1	288,0	580,0	14
27029	16 G 2,5	5,8 x 55,1	384,0	674,0	14
27012	24 G 2,5	15,0 x 63,0	604,0	950,0	14
27027	24 G 2,5	5,8 x 120,0	604,0	950,0	14
27013	4 G 4	7,0 x 21,8	154,0	344,0	12
27014	5 G 4	7,0 x 27,4	192,0	428,0	12
27015	7 G 4	7,9 x 36,6	269,0	590,0	12
27016	4 G 6	8,2 x 24,8	230,0	424,0	10
27017	5 G 6	8,2 x 31,8	288,0	530,0	10
27018	7 G 6	8,2 x 42,6	403,0	760,0	10
27019	4 G 10	10,0 x 29,6	384,0	710,0	8
27020	4 G 16	11,2 x 34,4	614,0	1014,0	6
27025	5 G 16	13,0 x 46,6	768,0	1370,0	6
27021	4 G 25	13,7 x 42,6	960,0	1365,0	4
27026	5 G 25	15,5 x 55,5	1200,0	2000,0	4
27022	4 G 35	15,4 x 47,6	1344,0	2100,0	2
27023	4 G 50	18,2 x 57,0	1920,0	2940,0	1
27024	4 G 70	20,0 x 64,2	2688,0	4090,0	2/0

Dimensions and specifications may be changed without prior notice. (RJ01)