

H05VV-F 300/500V

H05VVH2-F 300/500V



Flexible cable for handheld equipment, harmonized cable (H) with copper flexible conductors (-F) and PVC insulated (Y) and PVC sheathed (Y) at rated voltage 300/500 V (05); circular or flat (H2)

Application: use in domestic premises and offices, for ordinary duty applications and household appliances, including in damp premises; (e.g. vacuum cleaners, washing machines, spin dryers, and refrigerators); use outdoors for temporary periods of short duration

Standard: EN 50525-1:2011 ; EN 50525-2-11:2011

Directive on the restriction of the use of certain hazardous substances “**RoHS**” – 2011/65/UE ;

Regulation (EC) **No 1907/2006** of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (**REACH**)

	<p>Rated voltage U_0/U: 300/500V No. and cross-section of cores: H05VV-F 2 ÷ 5 x 0,75 ÷ 4 mm², H05VVH2-F 2 x 0,75 ÷ 1,5 mm²</p> <p>Test voltage: 2,0 kV AC</p>
	<p>Core colours acc HD 308 S2:2007 Without protective conductor - H05VV-F ; H05VVH2-F _X_ 2-cores: blue, brown 3-cores: brown, black, grey 4-cores:blue, brown, black, grey With protective conductor - H05VV-F ; H05VVH2-F _G_ 3-cores: yellow-green, blue, brown 4-cores:yellow-green, brown, black, grey</p>
	<p>Cables construction: Conductors: acc. to EN 60228:2007; copper flexible class 5; Insulation: compound PVC type TI 2; Sheath: compound PVC type TM2 Sheath color: white</p>
	<p>Cable properties: Flame retardant: EN 60332-1-2:2004 Working temp.: max 60°C – flexible application; max 70°C – fixed application At the cable surface: max 50°C – flexible application; max 60°C – fixed application Max. short circuit: 150°C The lowest acc. Temp. During instalation cables without heating: +5°C storage: max 40°C flexing during operation permitted operation temp.: +5°C to +60°C fixed installation permitted operation temp.: -30°C to +70°C</p>
	<p>Cable bending radius min: 6 x D D – cable outer diameter</p>
	<p>Packaging: coils or drums</p>
	<p>CE max 70° EN 60332-1-2 UV</p>

Technical Data **H05VV-F 300/500V**

No and cross-section of conductors	Max. wire diameter in conductor	Insulation thickness nominal	Outer sheath thickness nominal	Calculated external dimension of the cable	Max. resistance conductor at 20°C	Cable weight approx
$n \times \text{mm}^2$	mm	mm	mm	mm	Ω / km	kg/km
2 × 0,75	0,21	0,6	0,8	5,8	26,0	46
2 × 1	0,21	0,6	0,8	6,1	19,5	53
2 × 1,5	0,26	0,7	0,8	7,0	13,3	72
2 × 2,5	0,26	0,8	1,0	8,7	7,98	113
2 × 4	0,31	0,8	1,1	9,9	4,95	158
3 × 0,75	0,21	0,6	0,8	6,1	26,0	55
3 × 1	0,21	0,6	0,8	6,3	19,5	64
3 × 1,5	0,26	0,7	0,9	7,6	13,3	92
3 × 2,5	0,26	0,8	1,1	9,4	7,98	143
3 × 4	0,31	0,8	1,2	10,7	4,95	200
4 × 0,75	0,21	0,6	0,8	6,6	26,0	67
4 × 1	0,21	0,6	0,9	7,2	19,5	82
4 × 1,5	0,26	0,7	1,0	8,5	13,3	116
4 × 2,5	0,26	0,8	1,1	10,2	7,98	177
4 × 4	0,31	0,8	1,2	11,7	4,95	250
5 × 0,75	0,21	0,6	0,9	7,4	26,0	85
5 × 1	0,21	0,6	0,9	7,9	19,5	99
5 × 1,5	0,26	0,7	1,1	9,5	13,3	145
5 × 2,5	0,26	0,8	1,2	11,4	7,98	220
5 × 4	0,31	0,8	1,4	13,2	4,95	315

Technical Data **H05VVH2-F 300/500V**

No and cross-section of conductors	Max. wire diameter in conductor	Insulation thickness nominal	Outer sheath thickness nominal	Calculated external dimension of the cable	Max. resistance conductor at 20°C	Cable weight approx
$n \times \text{mm}^2$	mm	mm	mm	mm	Ω / km	kg/km
2 × 0,75	0,21	0,6	0,8	3,6 x 5,7	26,0	34
2 × 1	0,21	0,6	0,8	3,7 x 6,0	19,5	41
2 × 1,5	0,26	0,7	0,8	4,2 x 6,9	13,3	55