

## APPLICATION

Power supply cable for indoor installation, for rated voltages up to 300/500 V. Used in premises, kitchens, offices; for household appliances, including in damp premises, for medium duties like washing and drying machines, refrigerators and office machines.

## CABLE DESIGNATION

Cu / PVC / PVC: H05VV-F · 05VV-F

## CONSTRUCTION CHARACTERISTICS

### Conductor

Copper (plain annealed): Flexible Class 5.

### Insulation

PVC (Polyvinyl chloride)

### Oversheath

PVC (Polyvinyl chloride)

## GENERAL CHARACTERISTICS

<b>Construction and test standards</b>	IEC 60228 EN 50525-2-11
<b>Rated voltage <math>U_0/U</math></b>	300/500 V
<b>Test voltage</b>	1500 V a.c. 5 minutes ( $S = 0.75$ and $1 \text{ mm}^2$ ) 2000 V a.c. 5 minutes ( $S \geq 1.5 \text{ mm}^2$ )
<b>Conductor maximum operating temperature</b>	70°C
<b>Maximum short-circuit temperature</b>	160°C ( $t \leq 5\text{s}$ )
<b>Minimum bending radius (mm)</b>	$5 \times d$ if $d \leq 12$ · $6 \times d$ if $d > 12$
<b>Maximum pulling force over conductor (N)</b>	$15 \times S$ Recommended not to exceed 1000 N
<b>Flame retardant</b>	IEC 60332-1-2 · EN 60332-1-2 (cable vertically mounted, length of charred cable $\leq 540$ mm)

S – conductor cross-section ( $\text{mm}^2$ )

d – cable outer diameter (mm)



**ELECTRICAL AND DIMENSIONAL CHARACTERISTICS**

Cable composition n.º cond. x cross-section (mm <sup>2</sup> )	Approximate outer diameter (mm)	Approximate weight (kg/km)	Current carrying capacity In open air T = 30°C (A)	
			2 charged conductors	3 charged conductors
<b>H05VV-F</b>				
2 x 0.75	7.0	55	6	
2 x 1.0	7.2	65	10	
2 x 1.5	8.0	85	22	
2 x 2.5	10.0	135	30	
2 x 4	11.0	185	40	
3 x 0.75	7.2	70		6
3 x 1.0	7.4	80		14.5
3 x 1.5	9.0	110		18.5
3 x 2.5	10.5	170		25
3 x 4	12.0	235		34
4 x 0.75	8.0	80		6
4 x 1.0	8.5	100		14.5
4 x 1.5	10.0	140		18.5
4 x 2.5	11.5	205		25
4 x 4	13.0	290		34
5 x 0.75	9.0	105		6
5 x 1.0	9.5	130		14.5
5 x 1.5	11.0	165		18.5
5 x 2.5	13.0	250		25
5 x 4	14.5	375		34
<b>05VV-F</b>				
2 x 6	13.5	265	51	
3 x 6	14.0	335		43
4 x 6	15.5	415		43
5 x 6	16.0	475		43
7 x 1.5	12.0	225		18.5
7 x 2.5	14.5	340		25

Other compositions are available, contact [info@fast-cables.com](mailto:info@fast-cables.com) for information.

Cables with 2 and 3 conductors: 2 charged conductors.  
Cables with 4 and 5 conductors: 3 charged conductors.