



H05VV-F H05VVH2-F



Application

For connecting electric appliances, devices and instruments to the power supply network.

Technical data

- manufactured acc. to HD 21.5
- rated voltage U₀/U: 300 / 500 V
- test voltage : 2 kV
- insulation resistance at 70 °C, min 2 x 10¹⁰ Ω.cm
- maximum conductor temperature: + 70 °C
- max. conductor temperature at short circuit for 5 s : +160 °C
- temperature of environment: mobile: - 5 °C to +50 °C; fixed: -30 °C to +50 °C
- minimum temperature during installation: - 5 °C
- minimum bending radius: mobile : 15D; fixed : 4D (D - diameter or height of cable)
- flame test: flame-retardant acc. to IEC 60332-1
- Approval -  
- sheath colour: white, black or other upon request

Cable design

- copper conductors class 5 acc. to IEC 60228
- insulation: PVC compound type TI2 according to HD 21.1
- sheath: PVC compound type TM2 according to HD 21.1
- **H05VV-F** : twisted cores - circular
- **H05VVH2-F** : cores laid parallel - flat

Core identification in accordance to HD 308 S2

No of cores	Cables without protective conductor	Cables with protective conductor
2	brown, blue	-
3	brown, black, grey	green-yellow, blue, brown
4	blue, brown, black, grey	green-yellow, brown, black, grey
5	blue, brown, black, grey, black	green-yellow, blue, brown, black, grey

No of conductors and cross section No x mm ²	Cable size mm	Copper weight kg/km	Cable weight kg/km
H05VV-F			
2 x 0,75	6,3	14,4	57
3 x 0,75	6,7	21,6	68
4 x 0,75	7,3	28,8	84
5 x 0,75	8,2	36,0	106
H05VVH2-F			
2 x 1,0	6,6	19,2	65
3 x 1,0	7,0	28,8	79
4 x 1,0	7,9	38,4	101
5 x 1,0	8,6	48,0	123

No of conductors and cross section No x mm ²	Cable size mm	Copper weight kg/km	Cable weight kg/km
2 x 1,5	7,6	28,8	87
3 x 1,5	8,2	43,2	111
4 x 1,5	9,2	57,6	142
5 x 1,5	10,3	72,0	176
2 x 2,5	9,2	48,0	134
3 x 2,5	9,9	72,0	169
4 x 2,5	10,8	96,0	211
5 x 2,5	12,1	120,0	262
2 x 4,0	10,4	76,8	183
3 x 4,0	11,2	115,2	233
4 x 4,0	12,3	153,6	292
5 x 4,0	13,9	192,0	369
7 x 1,0 *	9,7	67,2	154
7 x 1,5 *	11,5	100,8	221
7 x 2,5 *	13,6	168,0	324
H05VVH2-F	Height x Width		
2 x 0,75	4,2 x 6,6	14,4	46
2 x 1,0	4,3 x 6,9	19,2	52

* The seven-cores cables are type **A05VV-F**