

H05V2V2-F

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Application

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

Technical data

- manufactured acc. to HD 21.12
- rated voltage U_0/U : 300 / 500 V
- test voltage : 2 kV
- insulation resistance at 90 °C, min 1×10^{10} $\Omega \cdot \text{cm}$
- maximum conductor temperature: + 90 °C
- max. conductor temperature at short circuit for 5 s : +160 °C
- temperature of environment: mobile: - 5 °C to +80 °C; fixed: -20 °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
- sheath colour: white, black or other upon request

Cable design

- copper conductors class 5 acc. to IEC 60228
- insulation: PVC compound type TI3 according to HD 21.1
- sheath: PVC compound type TM3 according to HD 21.1
- **H05V2V2-F** : twisted cores - circular
- **H05V2V2H2-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
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2 x 0,5	5,5	9,6	44
3 G 0,5	5,8	14,4	52
4 G 0,5	6,5	19,2	67
2 x 0,75	6,3	14,4	56
3 G 0,75	6,7	21,6	67
4 G 0,75	7,3	28,8	84
5 G 0,75	8,2	36,0	104
2 x 1	6,6	19,2	64
3 G 1	7,0	28,8	78
4 G 1	7,9	38,4	101
5 G 1	8,6	48,0	121
2 x 1,5	7,6	28,8	86
3 G 1,5	8,2	43,2	109

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No of conductors and cross section No x mm ²	Cable size mm	Copper weight kg/km	Cable weight kg/km
4 G 1,5	9,2	57,6	141
5 G 1,5	10,3	72,0	174
2 x 2,5	9,2	48,0	131
3 G 2,5	9,9	72,0	166
4 G 2,5	10,8	96,0	210
5 G 2,5	12,1	120,0	259
2 x 4	10,4	76,8	180
3 G 4	11,2	115,2	230
4 G 4	12,3	153,6	288
5 G 4	13,9	192,0	365
H05V2V2H2-F	Height x Width		
2 x 0,5	3,5 x 5,6	9,6	33
2 x 0,75	4,2 x 6,6	14,4	44
2 x 1,00	4,3 x 6,9	19,2	50