



## H05VV-F/SJT

### Application and Description

These cables are suited to be used for cooking and heating apparatus under the condition that cable does not come in direct contact with hot parts of the apparatus and no other influences or heat. The cables are suitable for fixed installation in furniture, partition walls, decoration covering and in hollow spaces of prefabricated building parts. They are not suitable for use in open air, in industries (also permitted to tailor workshops and of that kind) and in agriculture plants and for connecting commercial electrical tools.

### Standard and Approval

HD21.5 S3, VDE-0281 Part-5 & Part-2, UL Style 62 (SJT), VW-1, CSA 22.2 No 49, FT-1, CE low voltage directive 73/23/EEC & 93/68/EEC., IEC 60227-5, ROHS compliant

### Cable Construction

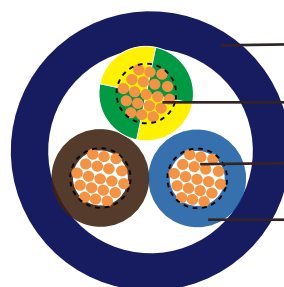
- Bare copper fine wire conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5, IEC 60228 cl. 5 and HD 383
- PVC core insulation T12 to VDE-0281 Part 1
- Color coded to VDE-0293-308
- Green-yellow grounding (3 conductors and above)
- PVC outer jacket TM2



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### Technical Characteristics

- Working voltage VDE: 300/500 volts
- Working Voltage UL/CSA: 300 volts
- Test voltage: 2000 volts
- Flexing bending radius:  $7.5 \times \varnothing$
- Static bending radius:  $4 \times \varnothing$
- Flexing temperature:  $-5^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Static temperature:  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Flame retardant: IEC 60332.1, VW-1
- Insulation resistance:  $20\text{ M}\Omega \times \text{km}$



PVC outer jacket

Green/Yellow wire

Bare copper conductor

PVC insulation

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## German Standard (VDE)

### Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x <i>mm</i> <sup>2</sup>	Nominal Thickness of Insulation <i>mm</i>	Nominal Thickness of Sheath <i>mm</i>	Nominal Overall Diameter <i>mm</i>	Nominal Copper Weight kg/km	Nominal Weight kg/km
17(32/32)	2 x 1	0.6	0.8	7.2	19.2	56
17(32/32)	3 x 1	0.6	0.8	7.6	28.8	73
17(32/32)	4 x 1	0.6	0.9	8.6	38.4	86
17(32/32)	5 x 1	0.6	0.9	9.4	48	105
16(30/30)	2 x 1.5	0.7	0.8	7.6	28	82
16(30/30)	3 x 1.5	0.7	0.9	8.3	44	96
16(30/30)	4 x 1.5	0.7	1.0	9.3	58	117
16(30/30)	5 x 1.5	0.7	1.1	10.4	72	144
14(30/50)	2 x 2.5	0.8	1.0	9.2	48	118
14(30/50)	3 x 2.5	0.8	1.1	10	72	152
14(30/50)	4 x 2.5	0.8	1.1	10.9	96	192
14(30/50)	5 x 2.5	0.8	1.2	12.2	120	243
12(56/28)	2 x 4	0.8	1.1	10.6	76	195
12(56/28)	3 x 4	0.8	1.2	11.5	115	235
12(56/28)	4 x 4	0.8	1.2	12.4	154	300
12(56/28)	5 x 4	0.8	1.4	14.1	192	361