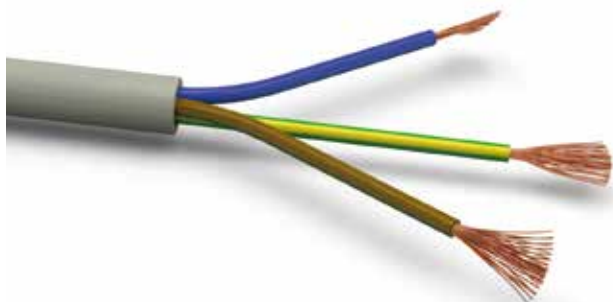


PVC-SHEATHED FLEXIBLE CABLES AND INSULATED WIRES

These cables are intended for connecting light/medium electric appliances at low/medium mechanical loads.

H03VV-F	62	H05V-U	64
H05VV-F	62	H05V-K	64
H03VVH2-F	63	H07V-U	65
H05VVH2-F	63	H07V-K	65

H03VV-F**H05VV-F****PVC flexible cable****acc. to VDE 0281 part 5 / acc. to HD 21.5 S3****APPLICATION**

These cables are intended for connecting electrical appliances at low (H03VV-F) and medium (H05VV-F) mechanical loads.

STANDARDS

2006/95/EC (Low-voltage Directive) CE

2006/95/EC (Low-voltage Directive) CE

CONSTRUCTION

Conductor: copper strand, bare, fine-wired; acc. to VDE 0295 cl. 5

Core insulation: PVC

Core identification: acc. to VDE 0293

Core stranding: cores twisted to layers

Sheath: PVC

ELECTRICAL CHARACTERISTICSNominal voltage U_0/U H03VV-F 300/300VNominal voltage U_0/U H05VV-F 300/500V

Test voltage 2000V

THERMAL & MECHANICAL PROPERTIES

Temperature range during installation -5°C to +70°C

Temperature range stationary -40°C to +70°C

Minimum bending radius 7,5 x diameter

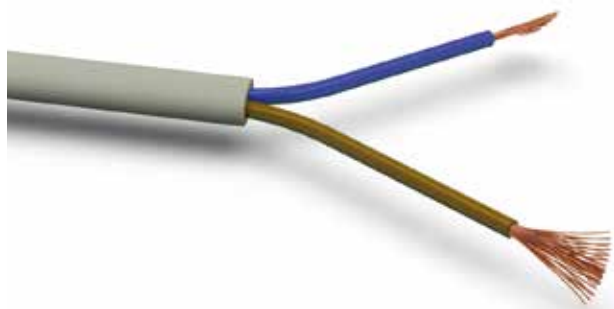
dimension	sheath thickness appr. mm	diameter appr. mm	cable weight ca. kg/km	copper index kg/km	article number
H03VV-F					
2x0,5	0,6	5,1	36,4	9,6	
3 G 0,5	0,6	5,4	43,1	14,4	
4 G 0,5	0,6	5,8	51,2	19,2	
2x0,75	0,6	5,5	45,4	14,4	
3 G 0,75	0,6	5,9	54,4	21,6	
3 G 0,75	0,6	5,9	54,4	21,6	
4x0,75	0,6	6,4	66,1	29,0	
4 G 0,75	0,6	6,4	66,1	29,0	
H05VV-F					
2x0,75	0,8	6,2	55,0	14,4	
3 G 0,75	0,8	6,6	64,9	21,6	
4 G 0,75	0,8	7,1	76,8	29,0	
5 G 0,75	0,9	8,0	98,7	36,0	
2x1	0,8	6,6	63,9	19	
3 G 1	0,8	7,0	76,4	29	
4 G 1	0,9	7,8	95,1	38	
5 G 1	0,9	8,6	116,7	48	
2x1,5	0,8	7,5	84,0	29	
3 G 1,5	0,9	8,2	104,5	43	
4 G 1,5	1	9,1	130,5	58	
5 G 1,5	1,1	10,2	165,1	72	
2x2,5	1	9,2	130,4	48	
3 G 2,5	1,1	9,8	158,6	72	
4 G 2,5	1,1	10,8	197,8	96	
5 G 2,5	1,2	12,1	247,3	120	
2x4	1,1	10,7	184,9	76	
3 G 4	1,2	11,5	230,0	115,2	
4 G 4	1,2	12,6	285,4	152	
5 G 4	1,4	14,2	359,7	192	

We reserve changes which serve technical progress • Copper base 150,00€ / 100,00 kg
Price upon quantity-specific request • Colours on request

H03VVH2-F

H05VVH2-F

PVC flexible cable/flat construction
acc. to VDE 0281 part 5 / acc. to HD 21.5 S3



APPLICATION

These cables are intended for connecting electrical appliances at low (H03VVH2-F) and medium (H05VVH2-F) mechanical loads in homes, kitchens and office rooms.

STANDARDS

2006/95/EC (Low-voltage Directive) CE

CONSTRUCTION

Conductor: copper strand, bare, fine-wired; acc. to VDE 0295 cl. 5

Core insulation: PVC

Core identification: acc. to VDE 0293

Core stranding: cores layed parallel

Sheath: PVC

ELECTRICAL CHARACTERISTICS

Nominal voltage U₀/U H03VV-F 300/300V

Nominal voltage U₀/U H05VV-F 300/500V

Test voltage 2000V

THERMAL & MECHANICAL PROPERTIES

Temperature range during installation -5°C to +70°C

Temperature range stationary -40°C to +70°C

Minimum bending radius 5 x diameter

dimension	sheath thickness appr. mm	diameter appr. mm	cable weight ca. kg/km	copper index kg/km	article number
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H03VVH2-F

2x0,5 0,6 3,1x5,1 27,0 9,6

2x0,75 0,6 3,4x5,6 34,7 14,4

H05VVH2-F

2x0,75 0,8 4,0x6,3 42,8 14,4

2x1 0,8 4,1x6,6 48,5 19,2

We reserve changes which serve technical progress • Copper base 150,00 €/ 100,00 kg
Price upon quantity-specific request • Colours on request

H05V-U

H05V-K

PVC-wiring cable

single-wired (U) • fine-wired (K)

acc. to VDE 0281 part 3 / acc. to HD 21.3 S3



APPLICATION

These cables are intended for internal appliance wiring as well as for protected laying in and on luminaires. Laying in conduits, on and under plaster for signalling equipment.

STANDARDS

2006/95/EC (Low-voltage Directive) CE

CONSTRUCTION

Conductor: copper, bare, single-wired (U); bare copper strand, fine-wired (K); acc. to VDE 0295 cl. 5

Core insulation: PVC

Core identification: acc. to VDE 0293

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0/U 300/500V

Test voltage 2000V

THERMAL & MECHANICAL PROPERTIES

Temperature range during installation +5°C to +70°C

Temperature range stationary -40°C to +70°C

Min. bending radius during installation 4 x diameter

dimension	sheath thickness appr. mm	diameter appr. mm	cable weight ca. kg/km	copper index kg/km	article number
H05V-U					
0,5	0,6	2,0	8,8	4,8	
0,75	0,6	2,2	11,6	7,2	
1	0,6	2,4	14,3	9,6	
H05V-K					
0,5	0,6	2,2	8,7	4,8	
0,75	0,6	2,3	11,1	7,2	
1	0,6	2,5	13,8	9,6	

We reserve changes which serve technical progress • Copper base 150,00 € / 100,00 kg
Price upon quantity-specific request • Colours on request

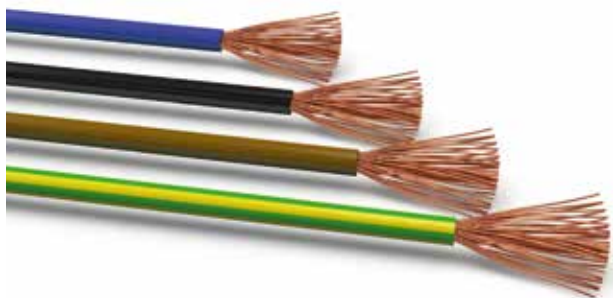
H07V-U

H07V-K

PVC-wiring cable

single-wired (U) • fine-wired (K)

acc. to VDE 0281 part 3 / acc. to HD 21.3 S3



APPLICATION

These cables are intended for laying in conduits on, in and under plaster as well as in closed installation ducts. They are also for use as potential equalisation cables directly on, in and under plaster. For internal wiring of appliances, switchgears and distributors as well as for protected laying in and on luminaires with nominal AC voltage up to 1000 V or DC voltage up to 750 V to ground. Operating DC voltage is permitted up to 900 V to ground when used in rail vehicles.

STANDARDS

2006/95/EC (Low-voltage Directive) CE

CONSTRUCTION

Conductor: copper, bare, single-wired (U); bare copper strand, fine-wired (K); acc. to VDE 0295 cl. 5

Core insulation: PVC

Core identification: acc. to VDE 0293

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0/U 450/750V

Test voltage 2500V

THERMAL & MECHANICAL PROPERTIES

Temperature range during installation 5°C to 70°C

Temperature range stationary -40°C to 70°C

Minimum bending radius stationary 4 x diameter

dimension	sheath thickness appr. mm	diameter appr. mm	cable weight ca. kg/km	copper index kg/km	article number
H07V-U					
1,5	0,7	2,8	20,1	14,4	
2,5	0,8	3,4	31,0	24	
4	0,8	3,9	46,6	38	
6	0,8	4,3	65,8	58	
10	1	5,6	109,0	96	
H07V-K					
1,5	0,7	3,0	19,3	14,4	
2,5	0,8	3,6	30,4	24	
4	0,8	4,2	45,6	38	
6	0,8	4,7	63,2	58	
10	1	6,2	110,8	96	
16	1	7,1	163,4	154	
25	1,2	8,7	252,9	240	
35	1,2	10,1	345,6	336	
50	1,4	12,1	490,6	480	
70	1,4	14,3	677,3	672	
95	1,6	16,2	889,6	912	
120	1,6	17,8	1122,4	1152	
150	1,8	21,0	1446,8	1440	
185	2	22,5	1720,5	1776	
240	2,2	25,0	2181,7	2304	

We reserve changes which serve technical progress • Copper base 150,00 € / 100,00 kg
Price upon quantity-specific request • Colours on request

VOKA
VOGTLÄNDISCHES
KABELWERK GMBH



CABLES MADE IN GERMANY