

H05V-K



Application range

- Internal wiring of devices
- Protected laying in and on lights
- Signal systems in and on plaster in tubes

Product features

- Flame retardant according to IEC 60332-1-2
- Spool: d1=18mm; d2=200 mm; b=85 mm

Design

- Fine-wired core with bare copper strands
- Core insulation: Based on PVC

Technical data

Approvals
 DIN VDE HD 21/VDE 0281

Specific insulation resistance
 > 20 GOhm x cm

Conductor stranding
 Fine wire according to VDE 0295 Class 5/
 IEC 60228 Class 5

Minimum bending radius
 Acc. to HD 516 S2, table 6 (a), at 10 °C - 30 °C cable temperature
 4 x outer diameter (OD), if used conventionally;
 2xOD at cautious bending

Rated voltage
 U₀/U: 300/500 V

Test voltage
 2000 V

Current rating
 VDE 0298 Part 4
 HD 516

Range of temperature
 Static:
 -30°C up to +80°C

Conductor cross section in mm ²	Outer diameter in mm approx.	m/Coil	m/Spool	Copper index kg/km	green/yellow	black	blue	dark-blue	brown
H05V-K									
0.5	2.1	100		4.8	4510001	4510011	4510021	4510141	4510031
0.75	2.4	100		7.2	4510002	4510012	4510022	4510142	4510032
1	2.6	100		9.6	4510003	4510013	4510023	4510143	4510033
H05V-K									
0.5	2.1		250	4.8	4510001S	4510011S	4510021S	4510141S	4510031S
0.75	2.4		250	7.2	4510002S	4510012S	4510022S	4510142S	4510032S
1	2.6		250	9.6	4510003S	4510013S	4510023S	4510143S	4510033S

Conductor cross section in mm ²	Outer diameter in mm approx.	m/Coil	m/Spool	Copper index kg/km	yellow	green	purple	Pink	orange
H05V-K									
0.5	2.1	100		4.8	4510111	4510121	4510071	4510081	
0.75	2.4	100		7.2	4510112	4510122	4510072	4510082	
1	2.6	100		9.6	4510113	4510123	4510073	4510083	
H05V-K									
0.5	2.1		250	4.8	4510111S	4510121S	4510071S	4510081S	
0.75	2.4		250	7.2	4510112S	4510122S	4510072S	4510082S	
1	2.6		250	9.6	4510113S	4510123S	4510073S	4510083S	4510093S

Conductor cross section in mm ²	Outer diameter in mm approx.	m/Coil	m/Spool	Copper index kg/km	transparent	red	white	grey	ultramarine blue
H05V-K									
0.5	2.1	100		4.8	4510101	4510041	4510051	4510061	4510161
0.75	2.4	100		7.2	4510102	4510042	4510052	4510062	
1	2.6	100		9.6	4510103	4510043	4510053	4510063	4510163
H05V-K									
0.5	2.1		250	4.8	4510101S	4510041S	4510051S	4510061S	4510161S
0.75	2.4		250	7.2	4510102S	4510042S	4510052S	4510062S	4510162S
1	2.6		250	9.6	4510103S	4510043S	4510053S	4510063S	4510163S

Conductor cross section in mm ²	Outer diameter in mm approx.	m/Coil	Copper index kg/km	dark-blue/white (ring goods only)
H05V-K				
0.5		100		4.8
0.75		100		7.2
1		100		9.6

Copper price basis: EUR 150 / 100 kg; For utilization and definition of ‚Metal price basis‘ and ‚Metal index‘ see Appendix T17