

# H05V2-K

PVC single core, 90°C



## TECHNICAL DATA

Special PVC single core with increased heat-resistance according to DIN VDE 0285-525-2-31 / DIN EN 50525-2-31

Temperature range flexible +5°C to +90°C  
fixed -40°C to +90°C

Short circuit temperature at the conductor +160°C (Short circuit duration max. 5 s)

Nominal voltage  $U_0/U$  300/500 V

Test voltage (spark test) 10.000 V

Minimum bending radius flexibel 6 x Outer-Ø  
fixed 4 x Outer-Ø

## CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T13)
- Core identification: see table

## PROPERTIES

- Heat-resistant special PVC compound

## TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

## APPLICATION

Therm insulated wires are ideal for use in switch cabinets, motors and transformers, which are subject to direct contact with high temperatures (e.g. varnishing machines and drying towers etc.) These are also suitable for inside wiring of electrical equipments such as lighting and heating apparatus. Product conforms with Low-Voltage Directive 2014/35/EU (UV exposure should be avoided)

## NOTES

- Item numbers not listed on the datasheet are available on request.

## Box

Cross-sec. mm <sup>2</sup>	Outer-Ø approx. mm <sup>2</sup>	Cu factor per km	Weight approx. kg / km	black (RAL 9005)	green-yellow	blue (RAL 5015)	brown (RAL 8003)	red (RAL 3000)	white (RAL 1013)	grey (RAL 7000)	violet (RAL 4005)
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	
0.5	2.3	4.8	9.0	309000501	309000502	309000503	309000504	309000505	309000506	309000507	309000508
0.75	2.5	7.2	11.1	309000701	309000702	309000703	309000704	309000705	309000706	309000707	309000708
1	2.6	9.6	14.4	309001001	309001002	309001003	309001004	309001005	309001006	309001007	309001008

  

Cross-sec. mm <sup>2</sup>	Outer-Ø approx. mm <sup>2</sup>	Cu factor per km	Weight approx. kg / km	yellow (RAL 1021)	pink (RAL 3015)	green (RAL 6018)	dark blue (RAL 5010)	orange (RAL 2003)	white-red	blue-white	dark blue-white
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
0.5	2.3	4.8	9.0	309000509	309000510	309000511	309000513	309000514			
0.75	2.5	7.2	11.0	309000709	309000710	309000711	309000713	309000714	309000721	309000722	309000724
1	2.6	9.6	114.0	309001009	309001010	309001011	309001013	309001014	309001021	309001022	309001024

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## Spool

Cross-sec. mm <sup>2</sup>	Outer-ø approx. mm <sup>2</sup>	Cu factor per km	Weight approx. kg / km	black (RAL 9005)	green-yellow	blue (RAL 5015)	brown (RAL 8003)	red (RAL 3000)	white (RAL 1013)	grey (RAL 7000)	violet (RAL 4005)
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	
0.5	2.3	4.8	9	<b>309000501S</b>	<b>309000502S</b>	<b>309000503S</b>	<b>309000504S</b>	<b>309000505S</b>	<b>309000506S</b>	<b>309000507S</b>	<b>309000508S</b>
0.75	2.5	7.2	11,0	<b>309000701S</b>	<b>309000702S</b>	<b>309000703S</b>	<b>309000704S</b>	<b>309000705S</b>	<b>309000706S</b>	<b>309000707S</b>	<b>309000708S</b>
1	2.6	9.6	14,0	<b>309001001S</b>	<b>309001002S</b>	<b>309001003S</b>	<b>309001004S</b>	<b>309001005S</b>	<b>309001006S</b>	<b>309001007S</b>	<b>309001008S</b>

Cross-sec. mm <sup>2</sup>	Outer-ø approx. mm <sup>2</sup>	Cu factor per km	Weight approx. kg / km	yellow (RAL 1021)	pink (RAL 3015)	green (RAL 6018)	dark blue (RAL 5010)	orange (RAL 2003)	white-red	blue-white	dark blue-white
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
0.5	2.3	4.8	9,0	<b>309000509S</b>	<b>309000510S</b>	<b>309000511S</b>	<b>309000513S</b>	<b>309000514S</b>			
0.75	2.5	7.2	11,0	<b>309000709S</b>	<b>309000710S</b>	<b>309000711S</b>	<b>309000713S</b>	<b>309000714S</b>	<b>309000721S</b>	<b>309000722S</b>	<b>309000724S</b>
1	2.6	9.6	14,0	<b>309001009S</b>	<b>309001010S</b>	<b>309001011S</b>	<b>309001013S</b>	<b>309001014S</b>	<b>309001021S</b>	<b>309001022S</b>	<b>309001024S</b>

## Barrel

Cross-sec. mm <sup>2</sup>	Outer-ø approx. mm <sup>2</sup>	Cu factor per km	Weight approx. kg / km	black (RAL 9005)	green-yellow	blue (RAL 5015)	brown (RAL 8003)	red (RAL 3000)	white (RAL 1013)	grey (RAL 7000)	violet (RAL 4005)
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
0.5	2.3	4.8	9,0	<b>309000501V</b>	<b>309000502V</b>	<b>309000503V</b>	<b>309000504V</b>	<b>309000505V</b>	<b>309000506V</b>	<b>309000507V</b>	<b>309000508V</b>
0.75	2.5	7.2	11,0	<b>309000701V</b>	<b>309000702V</b>	<b>309000703V</b>	<b>309000704V</b>	<b>309000705V</b>	<b>309000706V</b>	<b>309000707V</b>	<b>309000708V</b>
1	2.6	9.6	14,0	<b>309001001V</b>	<b>309001002V</b>	<b>309001003V</b>	<b>309001004V</b>	<b>309001005V</b>	<b>309001006V</b>	<b>309001007V</b>	<b>309001008V</b>

Cross-sec. mm <sup>2</sup>	Outer-ø approx. mm <sup>2</sup>	Cu factor per km	Weight approx. kg / km	yellow (RAL 1021)	pink (RAL 3015)	green (RAL 6018)	dark blue (RAL 5010)	orange (RAL 2003)
				Part no.	Part no.	Part no.	Part no.	Part no.
0.5	2.3	4.8	9,	<b>309000509V</b>	<b>309000510V</b>	<b>309000511V</b>	<b>309000513V</b>	<b>309000514V</b>
0.75	2.5	7.2	11,0	<b>309000709V</b>	<b>309000710V</b>	<b>309000711V</b>	<b>309000713V</b>	<b>309000714V</b>
1	2.6	9.6	14,0	<b>309001009V</b>	<b>309001010V</b>	<b>309001011V</b>	<b>309001013V</b>	<b>309001014V</b>

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