

# H05V2-U

# H05V2-R, 05V2-R

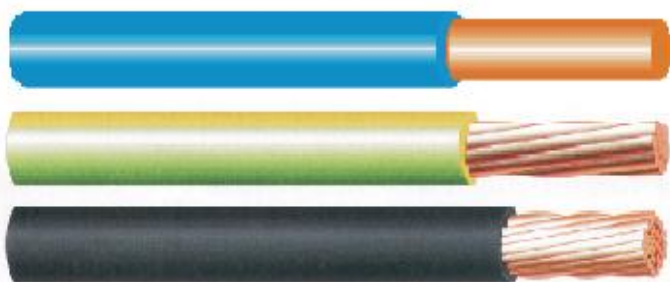
# H05V2-K, 05V2-K

# 300/500V



DIN VDE 0281-7, BS 6004, HD 21.7, PN-EN 50525-2-31

**PVC insulated non sheathed single core heat resisting cable for internal wiring**



## CONSTRUCTION

<b>Conductors:</b>	annealed copper conductor acc. to EN 60228: class 1 solid -H05V2-U, class 2 stranded H05V2-R, class 5 flexible H05V2-K
<b>Insulation:</b>	PVC compound type T13
<b>Colour of insulation</b>	green/yellow, blue, black, brown or other colours

## CHARACTERISTIC

<b>Maximum conductor operating temperature:</b>	+90°C		
<b>Lowest ambient temperature for fixed installation:</b>	-30°C		
<b>Lowest installation temperature:</b>	-5°C		
<b>Maximum short-circuit conductor temperature:</b>	+160°C		
<b>Test voltage:</b>	2500V		
<b>Flame retardant:</b>	IEC 60332-1-2		
<b>Minimum bending radius:</b>	For cable diameter D (mm)		
	D ≤ 8	8 < D ≤ 12	12 < D ≤ 20
Normal use	4 D	5 D	6 D
Careful bending at termination	2 D	3 D	4 D

## APPLICATIONS

Fixed protected installation inside appliances and in, or on, lighting fittings. Suitable for installation in surface mounted or embedded conduits, only for signalling or control circuits.

<b>Standard length cable packing</b>	50 m of 100 m in rings or on spools, or 500 m on drums. Other forms of packing and delivery are available on request
--------------------------------------	---

# H05V2-U

# H05V2-R, 05V2-R

# H05V2-K, 05V2-K

# 300/500V



DIN VDE 0281-7, BS 6004, HD 21.7, PN-EN 50525-2-31

Number and cross-sectional area of conductor	Approximate net weight of cables	Approximate overall diameter	Maximum conductor resistance at temperature 20°C	Minimum insulation resistance at temperature 90°C
n x mm <sup>2</sup>	kg/km	mm	Ω/km	MΩ.km
<b>H05V2-U</b>				
0,5	8	2,0	36,0	0,014
0,75	10	2,2	24,5	0,013
1,0	13	2,3	18,1	0,011
<b>H05V2-R, 05V2-R*</b>				
0,35*	7	1,95	55,4	-
0,5	8	2,1	36,0	0,014
0,75	11	2,3	24,5	0,012
1,0	14	2,5	18,1	0,011
<b>H05V2-K, 05V2-K*</b>				
0,35*	7	2,0	53,0	-
0,5	8	2,2	39,0	0,013
0,75	11	2,3	26,0	0,011
1,0	13	2,5	19,5	0,010

\*based on norm

## Current ratings acc. to IEC 60364-5-523

Permissible operating temperature at conductor: 90°C; ambient temperature: 30°C

Cross-section, mm <sup>2</sup>	Current ratings in Ampere (A)
0,5	-
0,75	15
1,0	19

All the information contained in this document - including tables and diagrams - is given in good faith and believed to be correct at the time of publication. The information does not constitute a warranty nor representation for which TELE-FONIKA Kable assumes legal responsibility. TELE-FONIKA Kable reserves rights to introduce changes to the document at any time.