

# H05V-U

# H05V-R

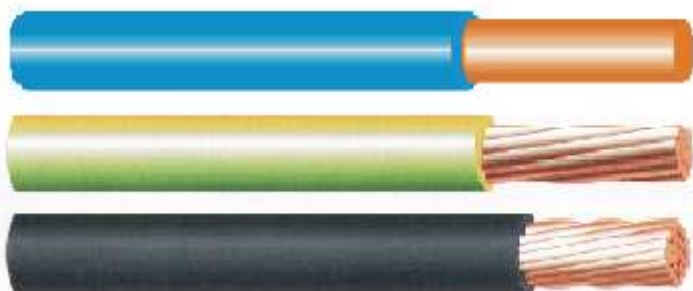
# H05V-K

# 300/500V



DIN VDE 0281-3, BS 6004, HD 21.3

Single core PVC insulated non sheathed cables for general purposes



## CONSTRUCTION

<b>Conductors:</b>	annealed copper conductor acc. to EN 60228: class 1 solid H05V-U, class 2 stranded H05V-R, class 5 flexible H05V-K
<b>Insulation:</b>	PVC compound type TI 1
<b>Colour of insulation</b>	green/yellow, blue, black, brown or other colours

## CHARACTERISTIC

<b>Maximum conductor operating temperature:</b>	+70°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>	2000V
<b>Flame retardant:</b>	IEC 60332-1-2
<b>Minimum bending radius:</b>	4 x cable diameter

## 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>	100 m in rings or on spools or in cardboard boxes. Other forms of packing and delivery are available on request
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## APPROVALS

BBJ, VDE, GOST

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Nominal cross-sectional area of conductor	Minimum number of wires	Radial thickness of insulation	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C	Minimum insulation resistance at temperature 70°C
mm <sup>2</sup>	n	mm	mm	kg/km	Ω/km	MΩ.km
<b>H05V-U</b>						
0,5	1	0,6	2,0	8	36,0	0,014
0,75	1	0,6	2,2	11	24,5	0,013
1	1	0,6	2,3	14	18,1	0,011
<b>H05V-R</b>						
0,5	7	0,6	2,1	9	36,0	0,014
0,75	7	0,6	2,3	12	24,5	0,012
1	7	0,6	2,5	14	18,1	0,011

Nominal cross-sectional area of conductor	Maximum diameter of wires in conductor	Radial thickness of insulation	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C	Minimum insulation resistance at temperature 70°C
mm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km	MΩ.km
<b>H05V-K</b>						
0,5	0,21	0,6	2,2	8	39,0	0,013
0,75	0,21	0,6	2,3	11	26,0	0,011
1	0,21	0,6	2,5	13	19,5	0,010

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