

H05V-U / H05V-K

Insulated wire

DESIGN



- 1 | Copper conductor, solid wire (-U) resp. fine wire (-K)
2 | Core insulation (PVC)

APPLICATION

For fixed and protected installation within appliances as well as in and on luminaires. Permissible for installation in conduits on and under plaster but only for control and signal circuits.

TECHNICAL DATA



Standard:
HD 21.3
EN 50525-2-31



Rated voltage:
300/500 V



Test voltage:
2 kV/50 Hz



Temperature range:
laying temperature: min. +5 °C
operating temperature: -5 °C up to +70 °C
conductor temperature: max. +70 °C
short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
4 x Ø of wire



Core identification:
black (bk), blue (bu), brown (bn), grey (gy),
violet (vt), green/yellow (gn/ye), green (gn),
yellow (ye), orange (or), white (wh), red (rd)



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
EZÚ Czech Republic, ÖVE Austria

Nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
H05V-U				
0.5	36.000	2.0	10	100 R
0.75	24.500	2.1	15	100 R
1	18.100	2.3	15	100 R
H05V-K				
0.5	39.000	2.1	10	100 R
0.75	26.000	2.2	15	100 R
1	19.500	2.4	15	100 R

Subject to technical changes.