

# H05V-U (YSe) / H05V-K (Ysf)

## Insulated wire

### Standard: ÖVE/ÖNORM E 8241 (HD 21)

#### Usage:

Suitable for fixed, protected installation in equipment, as well as in and on lights. Can be used for fixed installation in conduit on and under plaster but only for signalling installations.



#### Construction:

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



**Rated voltage:** 300/500 V



**Test voltage:** 2000 Veff



#### Temperature range:

laying temperature: min. +5 °C  
 operating temperature: -5 °C 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 (sw), blue (bl), brown (bn), grey (hgr), violet (vi), green/yellow (gnge), green (gn), yellow (ge), orange (or), white (ws), red (rt)



#### Fire properties:

flame retardant (EN 50265-2-1, IEC 60332-1)



#### Test certificate:

ÖVE Austria

Nominal cross section (mm <sup>2</sup> )	Colour of core	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
<b>H05V-U (YSe)</b>						
0.5	sw, bl, br, hgr, vi, gnge	36.0	1.8	5.0	8	100 R
0.75	sw, bl, br, hgr, vi, gnge	24.5	2.1	7.5	12	100 R
1	sw, bl, br, hgr, vi, gnge	18.1	2.3	10.0	14	100 R
<b>H05V-K (Ysf)</b>						
0.5	sw, bl, br	39.0	2.1	5.0	9	100 R
0.75	sw, bl, br	26.0	2.2	7.5	12	100 R
1	sw, bl, br	19.5	2.4	10.0	14	100 R
0.5	gnge, hgr, vi, gn, ge, or, ws, rt	39.0	2.1	5.0	9	100 R
0.75	gnge, hgr, vi, gn, ge, or, ws, rt	26.0	2.2	7.5	12	100 R
1	gnge, hgr, vi, gn, ge, or, ws, rt	19.5	2.4	10.0	14	100 R

Subject to technical changes.