

# H05Z-U / H05Z-K

## Insulated wire

Standard: ÖVE/ÖNORM E 8240-9

### Usage:

Suitable for protected installation in equipment and in and on lights. Also for installation in conduit and on and under plaster, but only for signalling installations. Since they are free from halogens and exhibit enhanced fire performance, these cables are used in those applications where in the event of fire, the negative effects on concentrations of people and valuable material goods must be minimised.



### Construction:

- 1 Copper conductor, solid wire (-U) resp. fine wire (-K)
- 2 Core insulation (halogen-free polymer compound, cross-linked)



**Rated voltage:** 300/500 V



**Test voltage:** 2000 Veff



### Temperature range:

laying temperature: min. -5 °C  
 operating temperature: -20 °C to +80 °C  
 conductor temperature: max. +90 °C  
 short-circuit temperature: max. +250 °C/5 s



**Bending radius (min.):** 4 x Ø of wire



### Core identification:

black (sw), blue (bl), brown (br), green/yellow (gnge), grey (gr)



### Fire properties:

flame retardant (EN 50265-2-1, IEC 60332-1)  
 halogen-free, no corrosive combustion gases (EN 50267, IEC 60754-2)  
 minimum smoke emission (EN 50268, IEC 61034)



**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>H05Z-U</b>						
0.5	sw, br, bl	36.0	2.0	5.0	9	100 R
0.75	sw, br, bl	24.5	2.2	7.5	12	100 R
1	sw, br, bl	18.1	2.4	10.0	14	100 R
0.5	gnge	36.0	2.0	5.0	9	100 R
0.75	gnge	24.5	2.2	7.5	12	100 R
1	gnge	18.1	2.4	10.0	14	100 R
<b>H07Z-K</b>						
0.5	sw, br, bl	39.0	2.2	5.0	9	100 R
0.75	sw, br, bl	26.0	2.4	7.5	12	100 R
1	sw, br, bl	19.5	2.6	10.0	14	100 R
0.5	gnge, gr	39.0	2.2	5.0	9	100 R
0.75	gnge, gr	26.0	2.4	7.5	12	100 R
1	gnge, gr	19.5	2.6	10.0	14	100 R

Subject to technical changes.