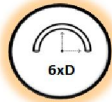
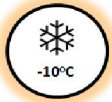
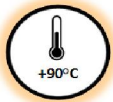
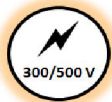


## H05V2-K, H07V2-K

### Cabluri monofilare fara manta

### Single core non-sheathed cables with PVC insulation



**Standard de fabricatie:** EN 50525-2-31  
**Tensiune nominala  $U_0/U$ :** 0.3/0.5 kV- H05V2-K;  
0.45/0.75 kV- H07V2-K

#### Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice interioare la tensiune de pana la 450/750 V.  
Se pot instala in conducte la vedere sau nu, direct sub tencuiala, in medii uscate sau umede.

**Temperatura max. de lucru in functionarea de durata:** +90°C

**Temperatura minima a cablului (masurata pe manta):**

- **la montaj:** +5°C
- **in exploatare:** -10°C

**Temperatura max. in scurtcircuit (max 5 sec):** +160 °C

#### Conductor de cupru

Conductor de cupru recopt multifilar (clasa 5), SR EN 60228

#### Izolatia

PVC, tip TI3  
Conductoarele izolate sunt cu intarziere la propagarea flacarilor, incercare conf. SR EN 60332-1-2

#### Marcaj

SC ELECTROPLAST SA, simbol cablu, tensiune de lucru, an de fabricatie, optional marcaj IMQ (**<HARD>**)

#### Raza minima de curbura

6 x diametru cablului

#### Cod de culori

##### H05V2 -K

- Cabluri monoculare: negru, albastru, maro, gri, portocaliu, roz, rosu, turcoaz, violet, alb, verde si galben

\*Se admit toate combinatiile biculare

- Cabluri biculare: galben-verde: min 30% verde, max 70% galben

##### H07V2-K

- Cabluri monoculare: negru, albastru, maro, gri, portocaliu, roz, rosu, turcoaz, violet, alb.
- Cabluri biculare: galben-verde: min 30% verde, max 70% galben

\*Alte combinatii biculare nu sunt permise

**Standard:** EN 50525-2-31

**Rated voltage  $U_0/U$ :** 0.3/0.5 H05V2-K  
0.45/0.75 kV; H07V2-K

#### Applications

Indoor wirings at voltages up to 450/750 V.  
They can be installed in open or buried conduits, directly under drywall, in dry or moist environments.

**Max. long-run operational temperature:** +90°C

**Min. cable temperature (masured on the sheath surface):**

- **during installation:** +5°C
- **in operation:** -10°C

**Max. temperature during short circuit (max. 5 seconds):** +160 °C

#### Copper conductor

Flexible conductor (class 5), SR EN 60228

#### Insulation

PVC, TI3 type  
Flame retardant cables, test according to SR EN 60332-1-2

#### Marking

SC ELECTROPLAST SA, cable symbol, operational voltage, manufacture year, IMQ mark (**<HARD>**) is optional

#### Min. bending radius

6 x diametru cablului

#### Color coding

##### H05V2 -K

- Monochrome cables: black, blue, brown, gray, orange, pink, red, cyan, violet, white, green and yellow.

\*All two-colors combinations are accepted.

- Yellow-green cables: min 30% green, max 70% yellow

##### H07V2-K

- Monochrome cables: black, blue, brown, gray, orange, pink, red, cyan, violet, white
- Yellow-green cables: min 30% green, max 70% yellow

\*Other two-colors combinations are not accepted

## H05V2-K, H07V2-K



### Cabluri monofilare fara manta

### Single core non-sheathed cables with PVC insulation

<b>Sectiune nominala a conductorului</b>  <i>Nominal crosssection of conductor mm<sup>2</sup></i>	<b>Diametru max sarmei de cupru</b>  <i>Max. copper wire diam mm</i>	<b>Grosime nominala izolatii</b>  <i>Nominal insulation thickness mm</i>	<b>Diametru exterior nominal</b>  <i>Nominal outer diameter mm</i>	<b>Rezistenta electrica, max la 20°C</b>  <i>Max. resistance at 20°C Ω/km</i>	<b>Rezistenta de izolatii la 90°C, min.</b>  <i>Insulation resistance at 90°C, min MΩ*km</i>	<b>Masa Inf</b>  <i>Mass inf kg/km</i>
<b>H05V2-K</b>						
0.5	0.21	0.6	2.1 <sub>-0.0</sub> <sup>+0.5</sup>	39.0	0.013	8
0.75	0.21	0.6	2.3 <sub>-0.1</sub> <sup>+0.6</sup>	26.0	0.011	11
1	0.21	0.6	2.5 <sub>-0.1</sub> <sup>+0.3</sup>	19.5	0.010	14
<b>H07V2-K</b>						
1.5	0.26	0.7	2.9 <sub>-0.1</sub> <sup>+0.5</sup>	13.3	0.010	19
2.5	0.26	0.8	3.6 <sub>-0.2</sub> <sup>+0.5</sup>	7.98	0.0095	31
4	0.31	0.8	4.1 <sub>-0.2</sub> <sup>+0.7</sup>	4.95	0.0078	44
6	0.31	0.8	4.7 <sub>-0.3</sub> <sup>+0.6</sup>	3.30	0.0068	65
10	0.41	1.0	6.4 <sub>-0.6</sub> <sup>+0.4</sup>	1.91	0.0065	108
16	0.41	1.0	7.6 <sub>-0.9</sub> <sup>+0.5</sup>	1.21	0.0053	161
25	0.41	1.2	9.4 <sub>-0.3</sub> <sup>+0</sup>	0.780	0.0050	248
35	0.41	1.2	10.8 <sub>-1.1</sub> <sup>+0.9</sup>	0.554	0.0043	337
50	0.41	1.4	12.9 <sub>-1.4</sub> <sup>+1.0</sup>	0.386	0.0042	502
70	0.51	1.4	14.9 <sub>-1.7</sub> <sup>+1.1</sup>	0.272	0.0036	702
95	0.51	1.6	17.2 <sub>-2.1</sub> <sup>+1.0</sup>	0.206	0.0036	928
120	0.51	1.6	18.8 <sub>-2.1</sub> <sup>+1.4</sup>	0.161	0.0032	1128
150	0.51	1.8	21.8 <sub>-3.2</sub> <sup>+0.7</sup>	0.129	0.0032	1400
185	0.51	2.0	23.1 <sub>-2.5</sub> <sup>+1.8</sup>	0.0801	0.0032	1697
240	0.51	2.2	26.4 <sub>-2.9</sub> <sup>+2.0</sup>	0.0641	0.0031	2219