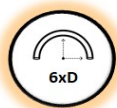
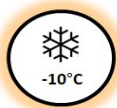


H05V-K , H07V-K

Cabluri monofilare fara manta cu izolatie din PVC



Standard de fabricatie: EN 50525-2-31
Tensiune nominala U_0/U : H05V-K: 0.3/0.5 kV
H07V-K: 0.45/0.75 kV

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: +70°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 multifilar, clasa 5 conf. SR EN 60228

Izolatia

PVC, tip TI2.

Conductoarele izolate sunt cu intarziere la propagarea flacarii conf. SR EN 60332-1-2

Certificare conf. EN 50575 – clasa Eca (H07V-K)

Marcaj

SC ELECTROPLAST SA, simbol cablu, tensiune de lucru, an de fabricatie, Eca (H07V-K)

Raza minima de curbura

6 x diametru cablului

Cod de culori

H05V -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

H07V-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

Unsheathed single-core cables PVC insulated

Standard: EN 50525-2-31
Rated voltage U_0/U : H05V-K: 0.3/0.5 kV
H07V-K: 0.45/0.75 kV

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: +70°C

Min. cable temperature (measured 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 acc. to SR EN 60228

Insulation

PVC, TI2 type.

Flame retardant cables, test according to SR EN 60332-1-2
SR EN 50525 certified – Eca class (H07V-K)

Marking

SC ELECTROPLAST SA, cable symbol, operational voltage, manufacture year, Eca (H07V-K)

Min. bending radius

6 x diametru cablului

Color coding

H05V -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

H07V-K

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

*Other two-color combinations are not allowed

H05V-K , H07V-K

**Cabluri monofilare fara manta
cu izolatie din PVC**



**Unsheathed single-core cables
PVC insulated**

Sectiune nominala a conductorului <i>Nominal crosssection of conductor</i> mm ²	Diametru max sarmei de cupru <i>Max. copper wire diam</i> mm	Grosime nominala izolatie <i>Insulation's nominal thickness</i> mm	Diametru exterior min-max <i>Min-max Outer diameter</i> mm	Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C</i> Ω/km	Rezistenta de izolatie la 70°C, min. <i>Insulation resistance at 70°C, min</i> MΩ*km	Masa Inf <i>Mass inf</i> kg/km
H05V-K						
0.5	0.21	0.6	2.1-2.5	39.0	0.013	9
0.75	0.21	0.6	2.2-2.7	26.0	0.011	11
1	0.21	0.6	2.4-2.8	19.5	0.010	14
H07V-K						
1.5	0.26	0.7	2.8-3.4	13.3	0.010	20
2.5	0.26	0.8	3.4-4.1	7.98	0.0095	31
4	0.31	0.8	3.9-4.8	4.95	0.0078	45
6	0.31	0.8	4.4-5.3	3.30	0.0068	64
10	0.41	1.0	5.7-6.8	1.91	0.0065	112
16	0.41	1.0	6.7-8.1	1.21	0.0053	168
25	0.41	1.2	8.4-10.2	0.780	0.0050	260
35	0.41	1.2	9.7-11.7	0.554	0.0043	358
50	0.41	1.4	11.5-13.9	0.386	0.0042	508
70	0.51	1.4	13.2-16.0	0.272	0.0036	708
95	0.51	1.6	15.1-18.2	0.206	0.0036	943
120	0.51	1.6	16.7-20.2	0.161	0.0032	1144
150	0.51	1.8	18.6-22.5	0.129	0.0032	1419
185	0.51	2.0	20.6-24.9	0.106	0.0032	1720
240	0.51	2.2	23.5-28.4	0.0801	0.0031	2228