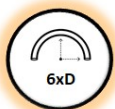
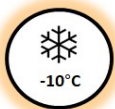
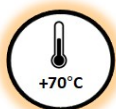


**H05V-U 0.3/0.5 kV, H07V-U 0.45/0.75 kV,
H07V-R 0.45/0.75 kV**



Cabluri monofilare fara manta cu izolatie din PVC

Unsheathed single-core PVC-insulated cables



Standard de fabricatie: SR EN 50525-2-31

Tensiune nominala U_0/U : H05V-U: 0.3/0.5 kV;
H07V-U si H07V-R: 0.45/0.75 kV

Domeniul de utilizare

Cablurile sunt utilizate pentru instalatii electrice fixe, interioare la tensiune de 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 de cupru recopt unifilar rigid (re) sau multifilar rigid (rm); SR EN 60228

Izolatie

PVC tip TI2.

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

Certificare conf. EN 50575 – clasa Eca (H07V-U, H07V-R);

Marcaj

SC ELECTROPLAST SA, simbol cablu, tensiune de lucru, an de fabricatie; **Eca** (H07V-U si H07V-R);

Raza minima de curbura

6 x diametru cablului

Cod de culori

H05V-U

- 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-U; H07V-R

- 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: SR EN 50525-2-31

Rated voltage U_0/U : H05V-U: 0.3/0.5 kV;
H07V-U; H07V-R: 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 (masured on the sheath surface)

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

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

Conductor de cupru

Solid conductor (re), or concentrically stranded conductor (rm); 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-U, H07V-R);

Marking

SC ELECTROPLAST SA, cable symbol, operational voltage, manufacture year, **Eca** (H07V-U, H07V-R);

Min. bending radius

6 x cable diameter

Color coding

H05V-U

- 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-U; H07V-R

- 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.

Simbol	Section nominala a conductorului	Tip cond.	Grosime nominala izolatie	Diametru exterior nominal	Rezistenta electrica, max la 20°C	Rezistenta de izolatie la 70°C, min	Masa Inf
<i>Symbol</i>	<i>Nominal cross-section of conductor</i>	<i>Type of cond</i>	<i>Nominal insulation thickness</i>	<i>Nominal outer diameter</i>	<i>Max. resistance at 20°C</i>	<i>Min. insulation resistance at 70°C</i>	<i>Mass inf</i>
	mm ²		mm	mm	Ω/km	MΩ*km	kg/km
H05V-U	0.5	re	0.6	1.9-2.3	36.0	0.015	8
	0.75	re	0.6	2.1-2.5	24.5	0.013	11
	1	re	0.6	2.2-2.7	18.1	0.011	14
H07V-U	1.5	re	0.7	2.6-3.2	12.1	0.011	20
	2.5	re	0.8	3.2-3.9	7.41	0.010	31
	4	re	0.8	3.6-4.4	4.61	0.0087	45
	6	re	0.8	4.1-5.0	3.08	0.0074	65
H07V-R	6	rm	0.8	4.3-5.2	3.08	0.0070	66
H07V-U	10	re	1.0	5.3-6.4	1.83	0.0072	108
H07V-R	10	rm	1.0	5.6-6.7	1.83	0.0067	111
	16	rm	1.0	6.4-7.8	1.15	0.0056	164
	25	rm	1.2	8.1-9.7	0.727	0.0053	255
	35	rm	1.2	9.0-10.9	0.524	0.0046	343
	50	rm	1.4	10.6-12.8	0.387	0.0046	471
	70	rm	1.4	12.1-14.6	0.268	0.0040	663
	95	rm	1.6	14.1-17.1	0.193	0.0039	913
	120	rm	1.6	15.6-18.8	0.153	0.0035	1125
	150	rm	1.8	17.3-20.9	0.124	0.0035	1371
	185	rm	2.0	19.3-23.3	0.0991	0.0035	1752
	240	rm	2.2	22.0-26.6	0.0754	0.0034	2265
	300	rm	2.4	24.5-29.6	0.0601	0.0033	2843
	400	rm	2.6	27.5-33.2	0.0475	0.0031	3949
	500	rm	2.8	30.5-36.9	0.0369	0.0030	4683