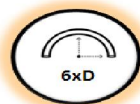
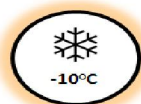
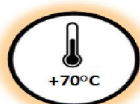
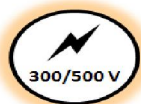


## H05VV5-F, (N)YSLY



Cordoane cu izolatie si manta de PVC rezistenta la ulei

Oil resistant PVC – insulated and sheathed cords



**Standard de fabricatie:** EN 50525-2-51

**Tensiune nominala  $U_0/U$ :** 0.3/0.5 kV

**Tensiunea de incercare:** 2000 V, timp de 5 minute

### Domeniul de utilizare

Cordoanele sunt utilizate pentru alimentarea cu energie a aparaturii electrocasnice cu solicitari normale la tensiuni nominale  $U_0/U$  pana la 300/500 V.

**Temperatura max. de lucru in functionarea de durata:** +70°C

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

- la montaj: +5°C
- in exploatare: -35°C

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

\* Cablurile prezinta rezistenta la ulei si hidrocarburi

### Conductor de cupru

Conductor multifilar (clasa 5), SR EN 60228

### Izolatia

PVC, tip TI2.

### Manta

PVC, tip TM5.

### Marcaj

SC ELECTROPLAST SA, simbol cablu, tensiune de lucru, an de fabricatie

### Raza minima de curbura

9 x diametru cordonului in utilizari mobile

4 x diametru cordonului in utilizari stationare

### Forta maxima de tragere la pozare

15 N/mm<sup>2</sup> pe sectiunea totala de cupru

### Cod de culori

- 2 conductoare: maro, albastru
- 3 conductoare: galben-verde, maro, albastru maro, negru, gri
- 4 conductoare: galben-verde, maro, negru, gri albastru, maro, negru, gri
- 5 conductoare: galben-verde, albastru, maro, negru, gri negru, albastru, maro, negru, gri

Mai mult de 5 conductoare:

- 1 conductor g-v, conductoarele negre numerotate

### Culoarea mantalei

Neagra, alba, gri

\*Se admit si alte culori la solicitarea clientului

**Standard:** EN 50525-2-51

**Rated voltage  $U_0/U$ :** 0.3/0.5 kV

**Test voltage:** 2000 V, for 5 minutes

### Applications

Power supply to average-duty household appliances at nominal voltages  $U_0/U$  up to 300/500 V.

**Max. long-run operational temperature:** +70°C

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

- during installation: +5°C
- in operation: -35°C

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

\* Oil and hydrocarbons resistant cables

### Copper conductor

Flexible conductor (class 5) SR EN 60228

### Insulation

PVC, TI2 type.

### Sheath

PVC, TM5 type.

### Marking

SC ELECTROPLAST SA, cable symbol, operational voltage, manufacture year.

### Min. bending radius

9 x cord diameter in mprobile applications

4 x cord diameter in stationary applications

### Max. tensile strain during installation

15 N/mm<sup>2</sup> on the entire copper cross-section

### Color coding

- 2 conductors: brown, blue
- 3 conductors: yellow-green, brown, blue brown, black, gray
- 4 conductors: yellow-green, brown, black, gray blue, brown, black, gray
- 5 conductors: yellow – green, blue, brown, black, gray black, blue, brown, black, gray

\* More than 5 conductors:

- 1 conductor yellow-green, others are numbered black conductors

### Sheath color

Black, white, gray

\*Other colors on customer's demand

# H05VV5-F , (N)YSLY



Cordoeane cu izolatie si manta de PVC rezistenta la ulei

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Tipodimensiune cordon  <i>Cord size</i>	Diam. max. al firului de cupru <i>Copper wire's max. diameter mm</i>	Grosime radiala izolatii,  <i>Insulation's radial thickness  mm</i>	Grosime radiala manta  <i>Sheath's radial thickness  mm</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C  Ω/km</i>	Rezistenta minima de izolatii la 70°C <i>Min resistance of the insulation at 70°C  MΩ*km</i>	Diametru exterior nominal  <i>Nominal outer diameter  mm</i>	Masa inf  <i>Mass, inf  kg/km</i>
2x0.5	0.21	0.6	0.7	39.0	0.013	5.8	35
2x0.75	0.21	0.6	0.8	26.0	0.011	6.4	46
2x1	0.21	0.6	0.8	19.5	0.010	6.8	53
2x1.5	0.26	0.7	0.8	13.3	0.010	7.8	71
2x2.5	0.26	0.8	0.9	7.98	0.009	9.4	106
3x0.5	0.21	0.6	0.7	39.0	0.013	6.1	45
3x0.75	0.21	0.6	0.8	26.0	0.011	6.8	59
3x1	0.21	0.6	0.8	19.5	0.010	7.2	70
3x1.5	0.26	0.7	0.9	13.3	0.010	8.5	98
3x2.5	0.26	0.8	1.0	7.98	0.009	10.2	147
4x0.5	0.21	0.6	0.8	39.0	0.013	6.9	59
4x0.75	0.21	0.6	0.8	26.0	0.011	7.4	74
4x1	0.21	0.6	0.8	19.5	0.010	7.8	87
4x1.5	0.26	0.7	0.9	13.3	0.010	9.2	123
4x2.5	0.26	0.8	1.1	7.98	0.009	11.3	191
5x0.5	0.21	0.6	0.8	39.0	0.013	7.5	70
5x0.75	0.21	0.6	0.9	26.0	0.011	8.2	92
5x1	0.21	0.6	0.9	19.5	0.010	8.8	109
5x1.5	0.26	0.7	1.0	13.3	0.010	10.3	153
5x2.5	0.26	0.8	1.1	7.98	0.009	12.4	231
6x0.5	0.21	0.6	0.9	39.0	0.013	8.3	85
6x0.75	0.21	0.6	0.9	26.0	0.011	8.9	107
6x1	0.21	0.6	1.0	19.5	0.010	9.7	132
6x1.5	0.26	0.7	1.1	13.3	0.010	11.4	184
6x2.5	0.26	0.8	1.2	7.98	0.009	13.7	277
7x0.5	0.21	0.6	0.9	39.0	0.013	8.3	94
7x0.75	0.21	0.6	1.0	26.0	0.011	9.1	123
7x1	0.21	0.6	1.0	19.5	0.010	9.7	146
7x1.5	0.26	0.7	1.2	13.3	0.010	11.6	211
7x2.5	0.26	0.8	1.3	7.98	0.009	13.9	317
12x0.5	0.21	0.6	1.1	39.0	0.013	11.1	158
12x0.75	0.21	0.6	1.1	26.0	0.011	12.0	201
12x1	0.21	0.6	1.2	19.5	0.010	13.0	247
12x1.5	0.26	0.7	1.3	13.3	0.010	15.3	345

## H05VV5-F, (N)YSLY



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Oil resistant PVC – insulated and sheathed cords

Tipodimensiune cordon  <i>Cord size</i>	Diam. max. al firului de cupru  <i>Max. diam. of copper wire mm</i>	Grosime radiala izolatie,  <i>Radial thickness of insulation mm</i>	Grosime radiala manta  <i>Radial thickness of sheath mm</i>	Rezistenta electrica max.la 20°C  <i>Max. resistance at 20°C Ω/km</i>	Rezistenta minima de izolatie la 70°C  <i>Min resistance of insulation at 70°C MΩ*km</i>	Diametru exterior nominal  <i>Nominal outer diameter mm</i>	Masa inf  <i>Mass, inf kg/km</i>
12x2.5	0.26	0.8	1.5	7.98	0.009	18.6	532
18x0.5	0.21	0.6	1.2	39.0	0.013	13.1	226
18x0.75	0.21	0.6	1.3	26.0	0.011	14.3	296
18x1	0.21	0.6	1.3	19.5	0.010	15.3	355
18x1.5	0.26	0.7	1.5	13.3	0.010	18.2	507
18x2.5	0.26	0.8	1.8	7.98	0.009	22.3	789
27x0.5	0.21	0.6	1.4	39.0	0.013	15.9	333
27x0.75	0.21	0.6	1.5	26.0	0.011	17.4	436
27x1	0.21	0.6	1.5	19.5	0.010	18.6	524
27x1.5	0.26	0.7	1.8	13.3	0.010	22.3	756
27x2.5	0.26	0.8	2.1	7.98	0.009	27.2	1170
36x0.5	0.21	0.6	1.5	39.0	0.013	17.9	432
36x0.75	0.21	0.6	1.6	26.0	0.011	19.5	567
36x1	0.21	0.6	1.7	19.5	0.010	21.1	693
36x1.5	0.26	0.7	2.0	13.3	0.010	25.2	994
36x2.5	0.26	0.8	2.3	7.98	0.009	30.7	1536
48x0.5	0.21	0.6	1.7	39.0	0.013	20.7	573
48x0.75	0.21	0.6	1.8	26.0	0.011	22.6	751
48x1	0.21	0.6	1.9	19.5	0.010	24.4	917
48x1.5	0.26	0.7	2.2	13.3	0.010	29.1	1312
48x2.5	0.26	0.8	2.4	7.98	0.009	35.2	2008
60x0.5	0.21	0.6	1.8	39.0	0.013	22.7	703
60x0.75	0.21	0.6	2.0	26.0	0.011	24.9	934
60x1	0.21	0.6	2.1	19.5	0.010	26.9	1139
60x1.5	0.26	0.7	2.4	13.3	0.010	32.0	1625
60x2.5	0.26	0.8	2.4	7.98	0.009	38.3	2452