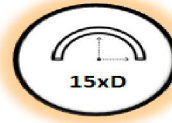
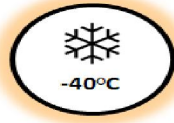
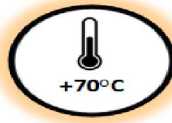


**CYKY 0.45/0.75 kV**



**Cablu de energie cu izolatie si manta de PVC**

**PVC – insulated and sheathed power cable**



**Standard de fabricatie:** ST 134

**Tensiune nominala U<sub>o</sub>/U:** 0.45/0.75 kV

**Tensiune de incercare:** 2.5 kV ca, 5 min

#### **Domeniul de utilizare**

Cablurile sunt utilizate pentru transportul energiei electrice la statiile de putere si instalatii electrice.

Cablurile pot fi pozate in spatii inchise si deschise, in pamant, in canale, in beton, in apa.

**Temperatura minima de instalare pe cablu:** -5°C

**Temperatura maxima de lucru:** +70°C

**Temperatura maxima de scurt-circuit:** +160°C

#### **Conductor de cupru**

Conductor unifilar (re), conductor multifilar (rm)  
conf. SR EN 60228

#### **Izolatie**

PVC, tip Y11.

#### **Manta**

PVC tip YM1 negru

Aceste cabluri sunt cu intarziere la propagarea flacarilor; incercare conf SR EN 60332-1-2

#### **Marcaj pe manta**

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

#### **Raza minima de curbura la instalare**

15 x diametrul cablu lui- cablu monofilar

12 x diametrul cablu lui- cablu multifilar

#### **Forta maxima de tractiune la pozare**

50 N/mm<sup>2</sup>

#### **Cod de culori**

- 1 conductor negru sau galben-verde
- 2 conductoare: albastru, maro  
-galben-verde, negru, pt sect >10mm<sup>2</sup>
- 3 conductoare: maro, negru, gri  
-galben-verde, albastru, maro
- 4 conductoare: albastru, maro, negru, gri  
-galben-verde, maro, negru, gri
- 5 conductoare: albastru, maro, negru, gri, negru  
galben-verde, albastru, maro, negru, gri

\* Mai mult de 5 conductoare:

- conductoare negre numerotate
- galben-verde, conductoare negre numerotate

**Production standard:** ST 134

**Rated voltage U<sub>o</sub>/U:** 0.45/0.75 kV

**Test voltage:** 2.5 kV ca, 5 min

#### **Applicability**

Power supply to power stations.

The cables can be installed in open or confined areas, underground, in sewers, in concrete, under water.

**The minim temperature of de cable during installation:** -5°C

**Max. permissible operating temperature:** +70°C

**Max. short-circuit temperature:** +160°C

#### **Copper conductor**

Solid conductor (re), concentrically stranded circular conductor (rm), according to SR EN 60228

#### **Insulation**

PVC, Y11 type.

#### **Sheath**

PVC type YM1 black

Flame retardant cables; test according to SR EN 60332-1-2

#### **Sheath marking**

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

#### **Min. bending radius at installation**

15 x cable diameter – single-core cable

12 x cable diameter – multicore cable

#### **Max. tensile strain during installation**

50 N/mm<sup>2</sup>

#### **Color coding**

- 1 conductor: black or yellow-green
- 2 conductors: blue, brown  
- yellow-green, black for sect >10 mm<sup>2</sup>
- 3 conductors: brown, black, grey  
-yellow-green, blue, brown
- 4 conductors-blue, brown, black, grey  
-yellow-green, brown, black, grey
- 5 conductors- blue, brown, black, grey, black  
-yellow-green, blue, brown, black, grey

More than 5 conductors:

- numbered black conductors
- yellow-green and numbered black conductors

CYKY 0.45/0.75 kV



Cablu de energie cu izolatie si manta de PVC

PVC – insulated and sheathed power cable

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie	Grosime radiala manta	Rezistenta electrica max, la 20°C	Diametru exterior inf	Masa inf
<i>Cable size</i>	<i>Type of conductor</i>	<i>Radial thickness of the insulation</i>	<i>Radial thickness of the sheath</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter inf</i>	<i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
2x1.5	re	0.7	0.8	12.1	7.3	94
2x2.5	re	0.7	0.8	7.41	8.1	125
2x4	re	0.7	0.9	4.61	9.2	173
2x6	re	1.0	1.0	3.08	10.8	243
2x10	re	1.0	1.3	1.83	13.4	380
2x16	re	1.0	1.3	1.15	15.2	540
3x1.5	re	0.7	0.8	12.1	7.7	110
3x2.5	re	0.7	0.8	7.41	8.6	150
3x4	re	0.7	0.9	4.61	9.8	213
3x6	re	0.8	1.0	3.08	11.5	300
3x10	re	0.9	1.4	1.83	14.4	493
3x16	re	0.9	1.4	1.15	16.4	700
4x1.5	re	0.7	0.8	12.1	8.5	135
4x2.5	re	0.7	0.8	7.41	9.4	189
4x4	re	0.7	1.0	4.61	10.9	272
4x6	re	0.8	1.1	3.08	12.8	380
4x10	re	0.9	1.5	1.83	15.8	611
4x16	re	0.9	1.6	1.15	18.2	895
5x1.5	re	0.7	0.8	12.1	9.2	170
5x2.5	re	0.7	0.8	7.41	10.3	231
5x4	re	0.7	1.2	4.61	12.3	345
5x6	re	0.8	1.2	3.08	14.0	475
5x10	re	0.9	1.5	1.83	17.5	760
5x16	re	0.9	1.6	1.15	19.9	1075
7x1.5	re	0.7	0.9	12.1	10.1	206
7x2.5	re	0.7	0.9	7.41	11.3	292
12x1.5	re	0.7	1.1	12.1	13.6	360
12x2.5	re	0.7	1.1	7.41	15.3	520
19x1.5	re	0.7	1.1	12.1	16.0	515
19x2.5	re	0.7	1.2	7.41	18.2	770
24x1.5	re	0.7	1.2	12.1	18.9	715
24x2.5	re	0.7	1.2	7.41	21.4	1011
37x1.5	re	0.7	1.2	12.1	21.7	1004
37x2.5	re	0.7	1.2	7.41	24.5	1450
48x1.5	re	0.7	1.2	12.1	24.8	1313
48x2.5	re	0.7	1.2	7.41	28.2	1890