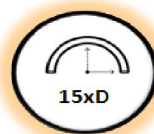
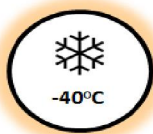
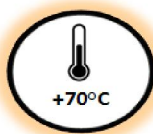
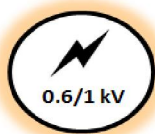


# NAY2Y



## Cablu de energie cu izolatie de PVC si manta de polietilena

## Power cable with PVC insulation and polyethylene jacket



**Standard de fabricatie:** SR HD 603 S1/3G-2; IEC 60502-1  
**Tensiune nominala  $U_0/U$ :** 0.6/1 kV  
**Tensiune de incercare:** 4 kV ca sau 12 kV cc, 5 min

### Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere.

Cablurile au rezistenta la socuri mecanice in timpul pozarii si dupa.

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

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

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

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

- la montaj: -5°C
- in exploatare: -40°C

### Conductor de aluminiu

Conductor multifilar (rm, sm), cl.2 conf. SR EN 60228

### Izolatia

PVC, tip DIV 4.

### Manta

PE, tip DMP2, negru.

### Marcaj pe manta

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

### Raza minima de curbura la instalare

15x diametrul cablului-cablu monofilar

12x diametrul cablului-cablu multifilar

### Forta maxima de tractiune la pozare

30 N/mm<sup>2</sup>

### Cod de culori

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

\* Mai mult de 5 conductoare:

- conductoare negre numerotate
- g/v, conductoare negre numerotate

**Standard:** SR HD 603 S1/3G-2; IEC 60502-1  
**Rated voltage  $U_0/U$ :** 0.6/1 kV  
**Test voltage:** 4 kV ac or 12 kV dc, 5 min

### Applicability

Power supply to power stations.

Cables possess mechanical resistance during laying and after.

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

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

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

**Minimum cable temperature (measured on the sheath surface)**

- during installation: -5°C
- in operation: -40°C

### Aluminum conductor

Concentrically stranded conductor (rm) or sector-shaped (sm), class 2 according to SR EN 60228

### Insulation

PVC, DIV 4 type.

### Sheath

PE, DMP2 type, black.

### 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

30 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.

**NAY2Y**

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

**Power cable with PVC insulation and polyethylene jacket**

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>Insulation radial thickness</i>	<i>Sheath radial thickness</i>	<i>Max. resistance, at 20°C</i>	<i>Outer diameter inf</i>	<i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
1x16	re	1.0	1.4	1.91	10.9	130
1x25	rm	1.2	1.4	1.2	12.6	147
1x35	rm	1.2	1.4	0.868	13.8	184
1x50	rm	1.4	1.4	0.641	15.6	239
1x70	rm	1.4	1.5	0.443	17.3	314
1x95	rm	1.6	1.6	0.320	19.7	424
1x120	rm	1.6	1.6	0.253	21.0	504
1x150	rm	1.8	1.7	0.206	23.1	623
1x185	rm	2.0	1.7	0.164	25.5	779
1x240	rm	2.2	1.9	0.125	30.2	973
1x300	rm	2.4	2.0	0.100	31.3	1213
1x400	rm	2.6	2.1	0.0778	35.4	1579
1x500	rm	2.8	2.2	0.0605	38.8	1962
1x630	rm	2.8	2.3	0.0469	42.3	2403
2x4	re	1.0	1.8	-	12.3	162
2x6	re	1.0	1.8	-	13.5	197
2x10	re	1.0	1.8	3.08	15.1	254
2x16	re	1.0	1.8	1.91	18.8	339
2x25	rm	1.2	1.8	1.2	22.2	518
2x35	rm	1.2	1.8	0.868	24.6	647
2x50	rm	1.4	1.8	0.641	25.8	1091
2x70	rm	1.4	1.9	0.443	29.2	1440
2x95	rm	1.6	2.0	0.320	33.7	1955
2x120	rm	1.6	2.1	0.253	36.9	2381
2x150	rm	1.8	2.3	0.206	40.5	2925
2x185	rm	2.0	2.4	0.164	46.1	3766
2x240	rm	2.2	2.6	0.125	51.0	4720
3x4	re	1.0	1.8	-	13.0	176
3x6	re	1.0	1.8	-	14.3	215
3x10	re	1.0	1.8	3.08	16.0	281
3x16	re	1.0	1.8	1.91	20.0	376
3x25	rm	1.2	1.8	1.2	23.6	574
3x25+16	rm/re	1.2;1.0	1.8	1.2; 1.91	25.0	672

**NAY2Y**

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

**Power cable with PVC insulation and polyethylene jacket**

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>Insulation radial thickness</i>	<i>Sheath radial thickness</i>	<i>Max. resistance, at 20°C</i>	<i>Outer diameter inf</i>	<i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
3x35	rm	1.2	1.8	0.868	26.2	722
3x35+16	rm/re	1.2;1.0	1.8	0.868; 1.91	27.1	829
3x50	sm	1.4	1.8	0.641	25.0	977
3x50+25	sm/rm	1.4/1.2	1.9	0.641; 1.2	29.0	1153
3x70	sm	1.4	1.9	0.443	28.0	1296
3x70+35	sm/rm	1.4/1.2	2.0	0.443; 0.868	35.0	1128
3x95	sm	1.6	2.1	0.320	30.0	1693
3x95+50	sm/sm	1.6/1.4	2.2	0.320; 0.641	41.0	1531
3x120	sm	1.6	2.0	0.253	33.0	2020
3x120+70	sm/sm	1.6/1.4	2.3	0.253; 0.443	45.0	1870
3x150	sm	1.8	2.2	0.206	36.9	2553
3x150+70	sm/sm	1.8/1.4	2.4	0.206; 0.443	49.0	2273
3x185	sm	2.0	2.3	0.164	40.9	2432
3x185+95	sm/sm	2.0/1.6	2.6	0.164; 0.320	53.0	2832
3x240	sm	2.2	2.5	0.125	47.5	3136
3x240+120	sm/sm	2.2/1.6	2.8	0.125; 0.253	60.0	4258
4x4	re	1.0	1.8	-	14.1	222
4x6	re	1.0	1.8	-	15.5	272
4x10	re	1.0	1.8	3.08	17.5	358
4x16	re	1.0	1.8	1.91	21.9	484
4x25	rm	1.2	1.8	1.2	26.0	741
4x35	rm	1.2	1.8	0.868	29.3	935
4x50	sm	1.4	1.9	0.641	29.0	969
4x70	sm	1.4	2.0	0.443	33.2	1267
4x95	sm	1.6	2.1	0.320	36.0	1690
4x120	sm	1.6	2.3	0.253	40.0	2042
4x150	sm	1.8	2.4	0.206	43.0	2543
4x185	sm	2.0	2.5	0.164	48.2	3133
4x240	sm	2.2	2.7	0.125	54.2	4080
5x4	re	1.0	1.8	-	15.3	270
5x6	re	1.0	1.8	-	16.9	333
5x10	re	1.0	1.8	3.08	19.0	440
5x16	re	1.0	1.8	1.91	23.9	598
5x25	rm	1.2	1.9	1.2	28.7	930
5x35	rm	1.2	2.0	0.868	32.5	1174

# NAY2Y



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

**Power cable with PVC insulation and polyethylene jacket**

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>Insulation radial thickness</i>	<i>Sheath radial thickness</i>	<i>Max. resistance, at 20°C</i>	<i>Outer diameter inf</i>	<i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
5x50	rm	1.4	2.0	0.641	33.7	1569
5x70	rm	1.4	2.2	0.443	34.1	2069