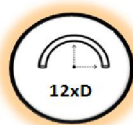
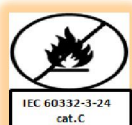
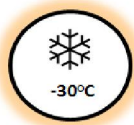
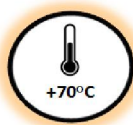
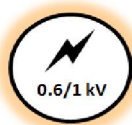


CYAbY-FH



Cablu de energie, armat, cu izolatie si manta de PVC

Steel tape armoured power cable



Standard de fabricatie: SR HD 603 S1/4C; IEC 502

Tensiune nominala U_0/U : 0.6/1 kV

Tensiune de incercare: 3.5 kV ca sau 8.4 kV cc, 5 min

Domeniul de utilizare

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

* Cablurile sunt cu rezistenta la UV

* Cablurile sunt cu rezistenta la uleiuri si hidrocarburi

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, sm) conf. SR EN 60228

Izolatie

PVC

Manta interioara

PVC negru sau gri

Armatura

Banda de otel laminata la rece nezincata sau zincata de grosime minima 0.2-0.5 mm.

Manta exterioara

PVC negru sau gri

Cablurile sunt cu rezistenta marita la propagarea flacarii; SR EN 60332-3-4-24/ cat. C

Marcaj pe manta

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

Raza minima de curbura la instalare

12 x diametrul cablului

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

- 1 conductor negru, sau galben-verde
- 2 conductoare: albastru, maro
 - galben-verde, negru, pt sect >10mm²
- 3 conductoare-marou, 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 si conductoare numerotate

Production Standard: SR HD 603 S1/4C; IEC 502

Rated voltage U_0/U : 0.6/1 kV

Test voltage: 3.5 kV ac or 8.4 kV dc, 5 min

Applicability

Power supply to power stations.

* UV resistant cables

* Oil and hydrocarbons resistant cables

The minim temperature of de cable during installation:

-5°C

Max.permmissible operating temperature: +70°C

Max. short-circuit temperature: +160°C

Copper conductor

Solid conductor (re), concentrically stranded circular conductor (rm), sector shaped (sm) acc. to SR EN 60228

Insulation

PVC

Inner sheath

PVC black or gray

Armor

Blank or zinc-plated cold-rolled steel tape, 0.2-0.5 mm., min. thickness

Outer sheath

PVC black or gray

Extra flame retardant; SR EN 60332-3-24/ C category.

Sheath marking

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

Min. bending radius at installation

12 x cable diameter

Max. tensile strain during installation

50 N/mm²

Color coding

- 1 conductor- black or yellow-green
- 2 conductors- blue, brown
 - yellow-green, black for sect >10 mm²
- 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 conductors

CYAbY-FH



Cablu de energie, armat, cu izolatie si manta de PVC

Steel tape armoured power cable

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie,	Grosime radiala manta interna nom	Grosime radiala nom/min manta exterioara	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 inner sheath min.</i>	<i>Radial thickness nom/min of outer sheath</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter Inf</i>	<i>Mass, inf</i>
		mm	mm	mm	Ω/km	mm	kg/km
1x16	rm	1.0	1.2	1.8/1.24	1.15	13.1	371
1x25	rm	1.2	1.2	1.8/1.24	0.727	14.8	505
1x35	rm	1.2	1.2	1.8/1.24	0.524	16.0	625
1x50	rm	1.4	1.2	1.8/1.24	0.387	17.7	791
1x70	rm	1.4	1.2	1.8/1.24	0.268	19.5	1031
1x95	rm	1.6	1.2	1.8/1.24	0.193	21.8	1346
1x120	rm	1.6	1.2	1.8/1.24	0.153	23.3	1592
1x150	rm	1.8	1.2	1.8/1.24	0.124	25.3	1920
1x185	rm	2.0	1.2	1.8/1.24	0.0991	27.6	2370
1x240	rm	2.2	1.2	1.8/1.24	0.0754	30.5	3018
1x300	rm	2.4	1.2	1.8/1.24	0.0601	33.5	3698
2x1.5	re	0.8	1.2	1.8/1.24	12.1	12.2	249
2x2.5	re	0.8	1.2	1.8/1.24	7.41	13.0	296
2x4	re	1.0	1.2	1.8/1.24	4.61	14.7	390
2x6	re	1.0	1.2	1.8/1.24	3.08	15.9	476
2x10	re	1.0	1.2	1.8/1.24	1.83	18.4	648
2x16	rm	1.0	1.2	1.8/1.24	1.15	21.2	902
2x25	rm	1.2	1.2	1.8/1.24	0.727	24.2	1232
2x35	rm	1.2	1.2	1.8/1.24	0.524	26.6	1544
3x1.5	re	0.8	1.2	1.8/1.24	12.1	12.6	278
3x2.5	re	0.8	1.2	1.8/1.24	7.41	13.5	334
3x4	re	1.0	1.2	1.8/1.24	4.61	15.4	447
3x6	re	1.0	1.2	1.8/1.24	3.08	16.7	542
3x10	re	1.0	1.2	1.8/1.24	1.83	19.4	744
3x16	rm	1.0	1.2	1.8/1.24	1.15	21.9	1054
3x25	rm	1.2	1.2	1.8/1.24	0.727	25.6	1502
3x25+16	rm	1.2;1.0	1.2	1.8/1.24	0.727;1.15	26.9	1689
3x35	rm	1.2	1.2	1.8/1.24	0.524	28.2	1917
3x35+16	rm	1.2;1.0	1.2	1.8/1.24	0.524;1.15	29.2	2076
3x50	sm	1.4	1.2	1.9/1.32	0.387	28.4	2130
3x50+25	sm/rm	1.4;1.2	1.2	2.0/1.4	0.387/0.727	31.8	2655

CYAbY-FH



Cablu de energie, armat, cu izolatie si manta de PVC

Steel tape armoured power cable

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie,	Grosime radiala manta interna nom	Grosime radiala nom/min manta exterioara	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 inner sheath min.</i>	<i>Radial thickness nom/min of outer sheath</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter Inf</i>	<i>Mass, inf</i>
		mm	mm	mm	Ω/km	mm	kg/km
3x70	sm	1.4	1.2	2.0/1.4	0.268	31.8	2950
3x70+35	sm/rm	1.4;1.2	1.2	2.1/1.48	0.268/0.524	37.0	3766
3x95	sm	1.6	1.2	2.1/1.48	0.193	35.4	4055
3x95+50	sm/sm	1.6;1.4	1.3	2.4/1.72	0.193/0.387	40.2	4752
3x120	sm	1.6	1.3	2.2/1.56	0.153	38.0	4811
3x120+70	sm/sm	1.6;1.4	1.3	2.4/1.72	0.153/0.268	43.6	5800
3x150	sm	1.8	1.3	2.3/1.64	0.124	42.2	5822
3x150+70	sm/sm	1.8;1.4	1.4	2.5/1.8	0.124/0.268	48.0	6856
3x185	sm	2.0	1.4	2.4/1.72	0.0991	45.6	7185
3x185+95	sm/ sm	2.0;1.6	1.5	2.7/1.96	0.0991/0.193	53.2	5899
3x240	sm	2.2	1.5	2.6/1.88	0.0754	52.2	9330
3x240+120	sm/sm	2.2/1.6	1.6	2.9/2.12	0.0754/0.153	60.0	10885
4x1.5	re	0.8	1.2	1.8/1.24	12.1	13.4	13.4
4x2.5	re	0.8	1.2	1.8/1.24	7.41	14.4	388
4x4	re	1.0	1.2	1.8/1.24	4.61	16.5	527
4x6	re	1.0	1.2	1.8/1.24	3.08	17.9	658
4x10	re	1.0	1.2	1.8/1.24	1.83	20.9	916
4x16	rm	1.0	1.2	1.8/1.24	1.15	23.8	1277
4x25	rm	1.2	1.2	1.8/1.24	0.727	28.1	1864
4x35	sm	1.2	1.2	1.8/1.24	0.524	31.2	2391
4x50	sm	1.4	1.2	2.0/1.4	0.387	31.8	2833
4x70	sm	1.4	1.2	2.2/1.56	0.268	37.0	4150
4x95	sm	1.6	1.3	2.4/1.72	0.193	39.5	5150
4x120	sm	1.6	1.4	2.5/1.8	0.153	43.8	4478
4x150	sm	1.8	1.4	2.5/1.8	0.124	43.8	7611
4x185	sm	2.0	1.5	2.5/1.8	0.0991	53.6	9650
5x1.5	re	0.8	1.2	1.8/1.24	12.1	14.2	364
5x2.5	re	0.8	1.2	1.8/1.24	7.41	15.3	448
5x4	re	1.0	1.2	1.8/1.24	4.61	17.7	615
5x6	re	1.0	1.2	1.8/1.24	3.08	19.3	773
5x10	re	1.0	1.2	1.8/1.24	1.83	22.6	1087
5x16	rm	1.0	1.2	1.8/1.24	1.15	25.8	1537

CYAbY-FH



Cablu de energie, armat, cu izolatie si manta de PVC

Steel tape armoured power cable

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie,	Grosime radiala manta interna nom	Grosime radiala nom/min manta exterioara	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 inner sheath min.</i>	<i>Radial thickness nom/min of outer sheath</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter Inf</i>	<i>Mass, inf</i>
		mm	mm	mm	Ω/km	mm	kg/km
5x25	rm	1.2	1.2	1.8/1.24	0.727	31.3	2260
5x35	rm	1.2	1.2	1.8/1.24	0.524	34.2	2908
5x50	rm	1.4	1.2	2.3/1.64	0.387	40.9	3800
5x70	rm	1.4	1.3	2.4/1.72	0.268	43.5	4950
7x1.5	re	0.8	1.2	1.8/1.24	12.1	15.1	475
7x2.5	re	0.8	1.2	1.8/1.24	7.41	16.3	595
9x1.5	re	0.8	1.2	1.8/1.24	12.1	18.2	524
9x2.5	re	0.8	1.2	1.8/1.24	7.41	19.7	632
12x1.5	re	0.8	1.2	1.8/1.24	12.1	19.2	608
12x2.5	re	0.8	1.2	1.8/1.24	7.41	20.9	784
14x1.5	re	0.8	1.2	1.8/1.24	12.1	20.0	680
14x2.5	re	0.8	1.2	1.8/1.24	7.41	21.7	730
16x1.5	re	0.8	1.2	1.8/1.24	12.1	21.0	750
16x2.5	re	0.8	1.2	1.8/1.24	7.41	22.9	850
19x1.5	re	0.8	1.2	1.8/1.24	12.1	21.9	812
19x2.5	re	0.8	1.2	1.8/1.24	7.41	23.9	1050
24x2.5	re	0.8	1.2	1.8/1.24	7.41	27.1	1300