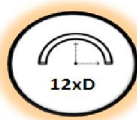
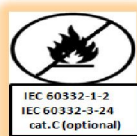
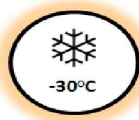
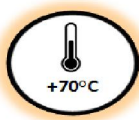
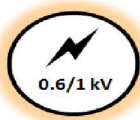


ACYAb(z)Y, NAYBY, ACYAb(z)Y-F



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

Steel tape armored power cable with PVC insulation and sheath



Standard de fabricatie: SR HD 603 S1/4C; IEC 60502-1
Tensiune nominala U_0/U : 0.6/1 kV
Tensiune de incercare: 3.5 kV c.a sau 8.4 kV c.c, 5 min

Domeniul de utilizare

Cablurile sunt utilizate pentru transportul energiei electrice la statii de putere.
Cablurile pot fi utilizate in mediu exploziv pentru Gr II G zona 1 si 2
Cablurile trebuie protejate impotriva agentilor corozivi, a solventilor chimici.

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: -33°C

* Cablurile sunt cu rezistenta la UV

Conductor de aluminiu

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

Izolatie

PVC

Invelis intern

PVC, negru

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 ACYAb(z)Y sunt cu rezistenta la propagarea flacarii; incercare conf. SR EN 60332-1-2

Iar ACYAb(z)Y-F sunt cu rezistenta marita la propagarea flacarii, incercare conf. SR EN 60332-3-24/ 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

30 N/mm²

Cod de culori

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

Standard: SR HD 603 S1/4C; IEC 60502-1
Rated voltage U_0/U : 0.6/1 kV
Test voltage: 3.5 kV a.c or 8.4 kV d.c, 5 min

Applicability

Power supply to power stations.
Cables can be used in explosive atmosphere for Gr II G zone 1 and 2.
The cables must be protected against: corozive chemicals, chemical solvents.

Max. permissible operating temperature: +70°C

Max. short-circuit temperature: +160°C

Min. cable temperature (measured on sheath surface)

- during installation: -5°C
- in operation: -33°C

* UV resistant cables.

Aluminum conductor

Solid conductor (re), concentrically stranded conductor (rm), acc. to SR EN 60228.

Insulation

PVC

Inner coating

PVC, black

Armor

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

Outer sheath

PVC, black or gray.

ACYAb(z)Y are flame retardant; test according to SR EN 60332-1-2

ACYAb(z)Y-F are extra flame retardant cables, test according to 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

30 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, numbered black conductors


Cablu de energie, armat, cu izolatie si manta de PVC
Steel tape armored power cable with PVC insulation and sheath

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie	Grosime radiala manta interna	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>Insulation radial thickness</i>	<i>Inner sheath radial thickness</i>	<i>Outer sheath radial thickness nom/min mm</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
1x50	rm	1.4	1.2	1.8/1.24	0.641	17.6	492
1x70	rm	1.4	1.2	1.8/1.24	0.443	19.2	591
1x95	rm	1.6	1.2	1.8/1.24	0.320	21.6	739
1x120	rm	1.6	1.2	1.8/1.24	0.253	22.8	837
1x150	rm	1.8	1.2	1.8/1.24	0.206	24.6	979
1x185	rm	2.0	1.2	1.8/1.24	0.164	27.6	1180
1x240	rm	2.2	1.2	1.9/1.32	0.125	29.8	1421
1x300	rm	2.4	1.2	2.0/1.40	0.100	32.9	1709
2x4	re	1.0	1.2	1.8/1.24	7.305*	15.3	362
2x6	re	1.0	1.2	1.8/1.24	4.895*	16.3	413
2x10	re	1.0	1.2	1.8/1.24	3.08	17.8	495
2x16	re	1.0	1.2	1.8/1.24	1.91	19.6	604
2x25	rm	1.2	1.2	1.8/1.24	1.20	23.5	853
2x35	rm	1.2	1.2	1.8/1.24	0.868	25.5	1014
2x50	rm	1.4	1.2	1.8/1.24	0.641	28.9	1274
2x70	rm	1.4	1.2	2.0/1.40	0.443	32.5	1611
2x95	rm	1.6	1.2	2.1/1.48	0.320	37.8	2078
2x120	rm	1.6	1.2	2.3/1.64	0.253	41.2	2779
2x150	rm	1.8	1.3	2.4/1.72	0.206	45.0	3356
2x185	rm	2.0	1.3	2.6/1.88	0.164	49.8	3964
2x240	rm	2.2	1.5	2.7/1.96	0.125	55.2	4923
3x4	re	1.0	1.2	1.8/1.24	7.305*	15.7	383
3x6	re	1.0	1.2	1.8/1.24	4.895*	16.7	431
3x10	re	1.0	1.2	1.8/1.24	3.08	18.4	530
3x16	re	1.0	1.2	1.8/1.24	1.91	20.3	652
3x25	rm	1.2	1.2	1.8/1.24	1.20	24.4	921
3x25+16	rm/re	1.2;1.0	1.2	1.8/1.24	1.2;1.91	25.8	1040

ACYAb(z)Y(-F) , NAYBY



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

Steel tape armored power cable with PVC insulation and sheath

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie	Grosime radiala manta interna	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>Insulation radial thickness</i>	<i>Inner sheath radial thickness</i>	<i>Outer sheath radial thickness nom/min mm</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
3x35	rm	1.2	1.2	1.8/1.24	0.868	26.5	1103
3x35+16	rm/re	1.2;1.0	1.2	1.8/1.24	0.868;1.91	27.6	1201
3x50	sm	1.4	1.2	1.9/1.32	0.641	29.1	1181
3x50+25	sm/rm	1.4;1.2	1.2	2.0/1.4	0.641;1.200	31.3	1339
3x70	sm	1.4	1.2	2.0/1.4	0.443	32.5	1476
3x70+35	sm/rm	1.4;1.2	1.2	2.0/1.4	0.443;0.868	34.4	1648
3x95	sm	1.6	1.2	2.1/1.48	0.32	35.2	1845
3x95+50	sm/sm	1.6;1.4	1.2	2.3/1.64	0.32;0.641	40.6	2491
3x120	sm	1.6	1.3	2.2/1.56	0.253	38.3	2464
3x120+70	sm/sm	1.6;1.4	1.3	2.4/1.72	0.253;0.443	43.6	2910
3x150	sm	1.8	1.3	2.3/1.64	0.206	42.2	2972
3x150+70	sm/sm	1.8;1.4	1.4	2.5/1.8	0.206;0.443	48.1	3453
3x185	sm	2.0	1.4	2.4/1.72	0.164	45.9	3548
3x185+95	sm/sm	2.0;1.6	1.5	2.7/1.94	0.164;0.320	53.1	4189
3x240	sm	2.2	1.5	2.6/1.88	0.125	52.0	4448
3x240+120	sm/sm	2.2;1.6	1.6	2.9/2.12	0.125;0.253	59.4	5183
4x4	re	1.0	1.2	1.8/1.24	7.305*	17.1	450
4x6	re	1.0	1.2	1.8/1.24	4.895*	18.3	521
4x10	re	1.0	1.2	1.8/1.24	3.08	20.1	636
4x16	re	1.0	1.2	1.8/1.24	1.91	22.3	790
4x25	rm	1.2	1.2	1.8/1.24	1.200	27.0	1131
4x35	rm	1.2	1.2	1.9/1.32	0.868	29.6	1379
4x50	sm	1.4	1.2	2.0/1.4	0.641	32.5	1470
4x70	sm	1.4	1.2	2.2/1.56	0.443	38.1	2141
4x95	sm	1.6	1.3	2.3/1.64	0.320	40.7	2650
4x120	sm	1.6	1.4	2.4/1.72	0.253	43.9	3109
4x150	sm	1.8	1.4	2.5/1.8	0.206	48.1	3720

ACYAb(z)Y(-F) , NAYBY

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

Steel tape armored power cable with PVC insulation and sheath

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie	Grosime radiala manta interna	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>Insulation radial thickness</i>	<i>Inner sheath radial thickness</i>	<i>Outer sheath radial thickness nom/min mm</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
4x185	sm	2.0	1.5	2.7/1.94	0.164	53.1	4488
4x240	sm	2.2	1.6	2.9/2.1	0.125	59.4	5609
5x4	re	1.0	1.2	1.8/1.24	7.305*	18.2	517
5x6	re	1.0	1.2	1.8/1.24	4.895*	19.6	603
5x10	re	1.0	1.2	1.8/1.24	3.08	21.6	744
5x16	re	1.0	1.2	1.8/1.24	1.91	24.1	931
5x25	rm	1.2	1.2	1.9/1.32	1.200	29.5	1362
5x35	rm	1.2	1.2	2.0/1.48	0.868	32.4	1669
5x50	rm	1.4	1.2	2.1/1.48	0.641	37.8	2426
5x70	rm	1.4	1.3	2.3/1.64	0.443	42.6	3058
5x95	rm	1.6	1.4	2.5/1.8	0.320	49.0	3997
5x120	rm	1.6	1.5	2.7/1.96	0.253	53.7	4756

* Rezistenta electrica calculata conf. rezistivitatii electrice de $0.02801 \Omega \cdot \text{mm}^2/\text{m}$;