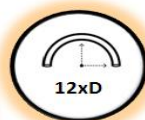
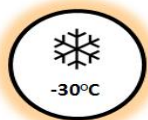




Cablu de energie, armat, cu izolatie si manta de PVC

Steel tape armored power cable with PVC insulation and sheath



Standard de fabricatie: SR CEI 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 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

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 CEI 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.

The cables must be protected against: corrosive chemicals and 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

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 <i>Cable size</i>	Tip conductor <i>Type of conductor</i>	Grosime radiala izolatie <i>Insulation radial thickness</i>	Grosime radiala nominala manta exterioara <i>Outer sheath radial thickness nominal</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>	Diametru exterior inf <i>Outer diameter Inf</i>	Masa Inf <i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
1x25	rm	1.2	1.4	1.200	13.5	306
1x35	rm	1.2	1.4	0.868	14.5	358
1x50	rm	1.4	1.5	0.641	16.2	434
1x70	rm	1.4	1.5	0.443	17.9	526
1x95	rm	1.6	1.5	0.320	20.6	671
1x120	rm	1.6	1.6	0.253	21.7	767
1x150	rm	1.8	1.7	0.206	23.7	905
1x185	rm	2.0	1.8	0.164	26.9	1050
1x240	rm	2.2	1.9	0.125	29.1	1370
1x300	rm	2.4	2.0	0.100	32.2	1650
1x400	rm	2.6	2.2	0.0778	37.9	2500
1x500	rm	2.8	2.3	0.0605	46.2	3000
2x10	re	1.0	1.8	3.08	16.5	433
2x16	re	1.0	1.8	1.91	18.3	537
2x16	rm	1.0	1.8	1.91	19.2	575
2x25	rm	1.2	1.8	1.20	22.2	772
2x35	rm	1.2	1.8	0.868	24.2	927
2x50	rm	1.4	1.8	0.641	27.4	1178
2x70	rm	1.4	2.0	0.443	31.4	1537
2x95	rm	1.6	2.1	0.320	36.7	2262
2x120	rm	1.6	2.3	0.253	41.2	2910
2x150	rm	1.8	2.4	0.206	45.0	3500
2x185	rm	2.0	2.6	0.164	49.8	4200
2x240	rm	2.2	2.7	0.125	54.2	4782
3x10	re	1.0	1.8	3.08	17.0	402
3x16	re	1.0	1.8	1.91	18.9	496
3x16	rm	1.0	1.8	1.91	19.8	522
3x25	rm	1.2	1.8	1.20	23.0	695
3x25+16	rm;re	1.2;1.0	1.8	1.2;1.91	24.4	790
3x35	rm	1.2	1.8	0.868	25.1	835
3x35+16	rm;re	1.2;1.0	1.8	0.868;1.91	26.2	925
3x50	sm	1.4	1.9	0.641	28.2	1107
3x50+25	sm;rm	1.4;1.2	1.9	0.641;1.20	30.5	1271



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

Steel tape armored power cable with PVC insulation and sheath

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Type of conductor</i>	Grosime radiala izolatii <i>Insulation radial thickness</i>	Grosime radiala nominala manta exterioara <i>Outer sheath radial thickness nominal</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>	Diametru exterior inf <i>Outer diameter Inf</i>	Masa Inf <i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
3x70	sm	1.4	2.0	0.443	31.7	1397
3x70+35	rm;rm	1.4;1.2	2.1	0.443;0.868	33.6	1581
3x95	sm	1.6	2.1	0.32	34.3	1761
3x95+50	sm;sm	1.6;1.4	2.2	0.32;0.641	39.6	2377
3x120	sm	1.6	2.2	0.253	37.2	2332
3x120+70	sm;sm	1.6;1.4	2.3	0.253;0.443	42.6	2791
3x150	sm	1.8	2.3	0.206	41.3	2831
3x150+70	sm;sm	1.8;1.4	2.5	0.206;0.443	46.8	3297
3x185	sm	2.0	2.4	0.164	44.6	3374
3x185+95	sm;sm	2.0;1.6	2.6	0.164;0.320	51.6	3990
3x240	sm	2.2	2.6	0.125	50.5	4230
3x240+120	sm;sm	2.2;1.6	2.9	0.125;0.253	57.6	4933
4x10	re	1.0	1.8	3.08	18.7	483
4x16	re	1.0	1.8	1.91	20.9	602
4x16	rm	1.0	1.8	1.91	22.0	633
4x25	rm	1.2	1.8	1.20	25.6	855
4x25+16	rm;re	1.2;1.0	1.8	1.20; 1.91	27.9	981
4x35	rm	1.2	1.8	0.868	28.0	1036
4x35+16	rm; re	1.2;1.0	1.9	0.868;1.91	30.9	1188
4x50	sm	1.4	2.0	0.641	31.7	1385
4x50+25	m;rm	1.4;1.2	2.1	0.641;1.20	37.1	1889
4x70	sm	1.4	2.2	0.443	37.0	2037
4x70+35	rm;rm	1.4;1.2	2.2	0.443;0.868	41.7	2347
4x95	sm	1.6	2.4	0.320	39.5	2905
4x95+50	rm;rm	1.6;1.4	2.5	0.32;0.641	47.9	3031
4x120	sm	1.6	2.5	0.253	43.8	3388
4x120+70	rm;rm	1.6;1.4	2.6	0.253;0.443	52.2	3568
4x150	sm	1.8	2.5	0.206	48.2	3608
4x150+70	rm;rm	1.8;1.4	2.6	0.206;0.443	57.0	4146
4x185	sm	2.0	2.6	0.164	51.6	4309
4x240	sm	2.2	2.8	0.125	57.6	5386
5x10	re	1.0	1.8	3.08	20.2	568
5x16	re	1.0	1.8	1.91	22.7	715



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

Steel tape armored power cable with PVC insulation and sheath

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Type of conductor</i>	Grosime radiala izolatie <i>Insulation radial thickness</i>	Grosime radiala nominala manta exterioara <i>Outer sheath radial thickness nominal</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>	Diametru exterior inf <i>Outer diameter Inf</i>	Masa Inf <i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
5x16	rm	1.0	1.8	1.91	23.9	748
5x25	rm	1.2	1.8	1.20	27.9	1022
5x35	rm	1.2	2.0	0.868	31.0	1278
5x50	rm	1.4	2.1	0.641	37.1	1973
5x70	rm	1.4	2.3	0.443	41.9	2482
6x16	re	1.0	1.8	1.91	24.6	819
6x25	rm	1.2	1.9	1.20	30.6	1192
6x35	rm	1.2	2.0	0.686	33.8	1475