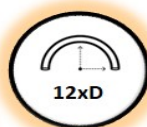
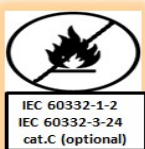
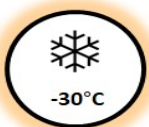
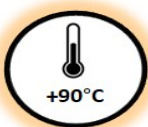
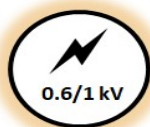


AC2XAb(z)Y(-F), NA2XBY



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

Armored power cable with XLPE insulation and PVC sheath



Standard de referinta: SR HD 603 S1/A2

Tensiune nominala $U_0/U(Um)$: 0.6/1(1.2) kV

Tensiunea de incercare: 4 kV, 50 Hz, timp de 5 minute.

Domeniul de utilizare

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

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

Temperatura conductorului in functionarea de durata: +90°C

Temperatura maxima a conductorului in scurt-circuit (max.5 s): +250°C

Temperatura minima a cablului (masurata pe manta)

- la montaj: -5°C
- in exploatare: -30°C

* Cablurile sunt cu rezistenta la UV

Conductor de aluminiu

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

Izolatie

Polietilena reticulata (XLPE), DIX3 type.

Manta interioara

PVC, tip DMV6.

Armatura

Banda de otel laminata la rece nezincata sau zincata (z)

Manta exterioara

PVC, negru sau gri.

Cablurile AC2XAb(z)Y, NA2XBY sunt cu rezistenta la propagarea flacarii; incercare conf. SR EN 60332-1-2

Iar AC2XAb(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

Reference standard: SR HD 603 S1/A2

Rated voltage $U_0/U(Um)$: 0.6/1(1.2) kV

Test voltage: 4 kV, 50 Hz, for 5 minutes.

Applications

Power supply to power stations

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

Conductor temperature in long-run operation: +90°C

Max. conductor temperature in short-circuit (max 5 s): +250°C

Min. cable temperature (measured on sheath surface)

- during installation: -5°C
- in operation: -30°C

* UV resistant cables

Aluminum conductor

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

Insulation

Crosslinked polyethylene (XLPE), DIX3 type.

Inner sheath

PVC, DMV6 type.

Aarmor

Blank or zinc-plated cold-rolled steel tape

Sheath

PVC, black or grey.

AC2XAb(z)Y, NA2XBY cables are flame retardant; test according to SR EN 60332-1-2

AC2XAb(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 at 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

AC2XAb(z)Y(-F), NA2XBY



**Cablu de energie, armat, cu izolatie de polietilena
reticulata si manta de PVC**

**Armored power cable with XLPE insulation
and PVC sheath**

Tipodimensiune cablu <i>Cable size</i>	Tip conduc- tor <i>Cond. type</i>	Grosime radiala izolatie <i>Radial insulation thickness</i>	Grosime radiala nominala de manta <i>Nominal radial sheath thickness</i>	Diametru exterior nominal <i>Nominal outer diameter</i>	Masa inf <i>Mass inf</i>
		mm	mm	mm	kg/km
1x50	rm	1.0	1.8	16.7	449
1x70	rm	1.1	1.8	18.6	557
1x95	rm	1.1	1.8	21.6	686
1x120	rm	1.2	1.8	22.9	790
1x150	rm	1.4	1.8	24.7	925
1x185	rm	1.6	1.8	27.7	1110
1x240	rm	1.7	1.9	29.7	1328
1x300	rm	1.8	2.0	31.7	1579
2x4	re	0.7	1.8	14.7	336
2x6	re	0.7	1.8	15.7	386
2x10	re	0.7	1.8	18.6	507
2x16	re	0.7	1.8	20.8	638
2x25	rm	0.9	1.8	24.2	847
2x35	rm	0.9	1.8	26.6	1042
3x4	re	0.7	1.8	15.3	361
3x6	re	0.7	1.8	16.4	418
3x10	re	0.7	1.8	19.5	552
3x16	re	0.7	1.8	21.8	700
3x25	rm	0.9	1.8	25.5	937
3x25+16	rm;re	0.9;0.7	1.8	26.6	1067
3x25+16	re;re	0.9;0.7	1.8	26.6	1067
3x35	rm	0.9	1.8	28.3	1171
3x35+16	rm;re	0.9;0.7	1.8	28.8	1248
3x50	sm	1.0	1.8	27.9	1338
3x50+25	sm;rm	1.0;0.9	1.8	30.5	1534
3x70	sm	1.1	1.9	31.7	1691
3x70+35	sm;rm	1.1;0.9	1.9	34.1	1817
3x95	sm	1.1	2.0	35.5	1994
3x95+50	sm;sm	1.1;1.0	2.0	38.5	2285
3x120	sm	1.2	2.1	38.3	2368
3x120+70	sm;sm	1.2;1.1	2.1	41.7	2701
3x150	sm	1.4	2.2	42.5	2821
3x150+70	sm;sm	1.4;1.1	2.3	43.0	2956
3x185	sm	1.6	2.4	45.9	3074

AC2XAb(z)Y(-F), NA2XBY

**Cablu de energie, armat, cu izolatie de polietilena
reticulata si manta de PVC**

**Armored power cable with XLPE insulation
and PVC sheath**

Tipodimensiune cablu <i>Cable size</i>	Tip conduc- tor <i>Cond. type</i>	Grosime radiala izolatii <i>Radial insulation thickness</i> mm	Grosime radiala nominala de manta <i>Nominal radial sheath thickness</i> mm	Diametru exterior nominal <i>Nominal outer diameter</i> mm	Masa inf <i>Mass inf</i> kg/km
			2.4		
3x185+95	sm;sm	1.6;1.1	1.4 2.4	51.3	3886
3x240	sm	1.7	1.5 2.5	50.5	4550
3x240+120	sm;sm	1.7;1.2	1.5 2.7	55.1	5140
4x4	re	0.7	1.2 1.8	16.2	406
4x6	re	0.7	1.2 1.8	17.5	473
4x10	re	0.7	1.2 1.8	20.9	633
4x16	re	0.7	1.2 1.8	23.5	810
4x25	rm	0.9	1.2 1.8	27.6	1098
4x35	rm	0.9	1.2 1.8	25.5	1379
4x50	sm	1.0	1.2 1.9	27.8	1628
4x70	sm	1.1	1.2 2.0	31.9	1993
4x95	sm	1.1	1.2 2.1	35.5	2508
4x120	sm	1.2	1.2 2.3	40.5	2993
4x150	sm	1.4	1.3 2.5	45.5	3545
4x185	sm	1.6	1.3 2.5	48.9	4500
4x240	sm	1.7	1.5 2.7	54.7	5500
5x4	re	0.7	1.2 1.8	17.3	460
5x6	re	0.7	1.2	18.6	529

AC2XAb(z)Y(-F), NA2XBY



**Cablu de energie, armat, cu izolatie de polietilena
reticulata si manta de PVC**

**Armored power cable with XLPE insulation
and PVC sheath**

Tipodimensiune cablu <i>Cable size</i>	Tip conduc- tor <i>Cond. type</i>	Grosime radiala izolatii <i>Radial insulation thickness</i> mm	Grosime radiala nominala de manta <i>Nominal radial sheath thickness</i> mm	Diametru exterior nominal <i>Nominal outer diameter</i> mm	Masa inf <i>Mass inf</i> kg/km
			1.8		
5x10	re	0.7	1.2 1.8	22.4	731
5x16	re	0.7	1.2 1.8	25.4	942
5x25	rm	0.9	1.2 1.8	30.1	1318
5x35	rm	0.9	1.2 1.9	33.6	1638