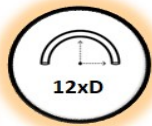
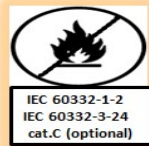
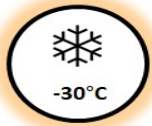
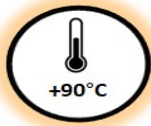


AC2XAb(z)Y, AC2XAb(z)Y-F



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

Armored power cable with XLPE insulation and PVC sheath



Standard de referinta: SR CEI 60502-1;
Tensiune nominala $U_0/U(\text{Um})$: 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 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 CEI 60502-1
Rated voltage $U_0/U(\text{Um})$: 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

Armor

Blank or zinc-plated cold-rolled steel tape (z)

Sheath

PVC, black or grey.

AC2XAb(z)Y 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, AC2XAb(z)Y-F

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 manta nom/min <i>Radial sheath thickness nom/min mm</i>	Diametru exterior nominal <i>Nominal outer diameter</i>	Masa inf <i>Mass inf</i>
			Ext <i>ext</i>		
1x25	rm	0.9	1.4/0.92	12.8	124
1x35	rm	0.9	1.4/0.92	13.9	298
1x50	rm	1.0	1.4/0.92	15.3	377
1x70	rm	1.1	1.5/1.0	17.3	476
1x95	rm	1.1	1.6/1.08	19.2	593
1x120	rm	1.2	1.6/1.08	20.9	690
1x150	rm	1.4	1.7/1.16	22.9	813
1x185	rm	1.6	1.8/1.24	26.1	982
1x240	rm	1.7	1.8/1.24	27.2	1206
1x300	rm	1.8	1.9/1.32	30.4	1406
1x400	rm	2.0	2.1/1.48	35.2	1808
1x500	rm	2.2	2.3/1.64	41.3	2600
1x630	rm	2.4	2.4/1.72	44.2	3053
2x10	re	0.7	1.8/1.24	15.3	365
2x16	re	0.7	1.8/1.24	17.1	462
2x25	rm	0.9	1.8/1.24	21.0	672
2x35	rm	0.9	1.8/1.24	23.0	821
2x50	rm	1.0	1.8/1.24	26.3	1046
2x70	rm	1.1	1.9/1.32	30.1	1370
2x95	rm	1.1	2.0/1.4	34.5	1773
3x10	re	0.7	1.8/1.24	15.7	336
3x16	re	0.7	1.8/1.24	17.6	424
3x25	rm	0.9	1.8/1.24	21.7	591
3x25+16	rm;re	0.9;0.7	1.8/1.24	23.0	662
3x35	rm	0.9	1.8/1.24	23.8	725
3x35+16	rm;re	0.9;0.7	1.8/1.24	24.8	793
3x50	sm	1.0	1.8/1.24	25.4	910
3x50+25	sm;rm	1.0;0.9	1.8/1.24	26.4	1012
3x70	sm	1.1	1.9/1.32	28.4	1100
3x70+35	sm;rm	1.1;0.9	1.9/1.32	29.8	1315
3x95	sm	1.1	2.0/1.4	31.9	1450
3x95+50	sm;sm	1.1;1.0	2.0/1.4	33.4	1657
3x120	sm	1.2	2.1/1.48	36.2	1815

AC2XAb(z)Y, AC2XAb(z)Y-F



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 conductor <i>Cond. type</i>	Grosime radiala izolatii <i>Radial insulation thickness</i>	Grosime radiala manta <i>nom/min</i>	Diametru exterior nominal <i>Nominal outer diameter</i>	Masa inf <i>Mass inf</i>
			<i>Radial sheath thickness nom/min mm</i>		
		mm	Ext <i>ext</i>	mm	kg/km
3x120+70	sm;sm	1.2;1.1	2.1/1.48	37.5	2305
3x150	sm	1.4	2.3/1.64	40.0	2530
3x150+70	sm;sm	1.4;1.1	2.3/1.64	41.7	2754
3x185	sm	1.6	2.4/1.72	44.0	2950
3x185+95	sm;sm	1.6;1.1	2.4/1.72	45.7	3321
3x240	sm	1.7	2.5/1.80	53.5	3850
3x240+120	sm;sm	1.7;1.2	2.6/1.88	55.1	4095
4x10	re	0.7	1.8/1.24	17.3	395
4x16	re	0.7	1.8/1.24	19.4	505
4x25	rm	0.9	1.8/1.24	24.2	719
4x35	rm	0.9	1.8/1.24	26.6	890
4x50	sm	1.0	1.9/1.32	29.0	1141
4x70	sm	1.1	2.0/1.40	33.0	1465
4x95	sm	1.1	2.1/1.48	37.5	2145
4x120	sm	1.2	2.2/1.56	41.1	2574
4x150	sm	1.4	2.3/1.64	44.9	3086
4x185	sm	1.6	2.4/1.72	49.1	3690
4x240	sm	1.7	2.8/2.04	55.5	4654
4x25+16	rm; ru	0.9/0.7	1.8/1.24	26.7	826
5x10	re	0.7	1.8/1.24	18.6	463
5x16	re	0.7	1.8/1.24	21.0	603
5x25	rm	0.9	1.9/1.32	26.3	847
5x35	rm	0.9	2.0/1.40	29.9	1072
5x50	rm	1.0	2.1/1.56	34.7	1398
5x70	rm	1.1	2.2/1.56	40.9	2193
5x95	rm	1.1	2.4/1.72	47.0	2754
5x120	rm	1.2	2.7/1.96	50.8	3317