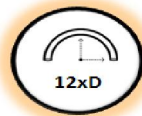
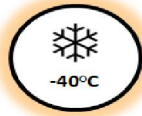
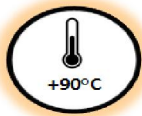
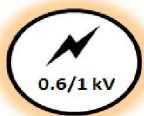


## C2XAb(z)2Y , N2XB2Y



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

### Armoured power cable with XLPE insulation and polyethylene sheath



**Standard de fabricatie:** SR CEI 60502-1  
**Tensiune nominala  $U_0/U(U_m)$ :** 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 statiile de putere.  
Cablurile au rezistenta la socuri mecanice in timpul pozarii si dupa.  
Cablurile pot fi pozate in spatii inchise si deschise, in pamant, in canale, in beton.

**Temperatura max. a conductorului in functionarea de durata:** +90°C

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

**Temperatura minima a cablului (masurata pe manta):**

- la montaj: -20°C
- in exploatare: -40°C

#### Conductor de cupru

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

#### Izolatia

Polietilena reticulata (XLPE)

#### Manta interioara

Polietilena

#### Armatura

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

#### Manta exterioara

Polietilena

#### Marcaj pe manta

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

#### Raza minima de curbura la instalare

12 x diametrul cablu lui

#### Forta maxima de tractiune la pozare

50 N/mm<sup>2</sup>

#### Cod de culori

- 1 conductor: negru sau galben-verde
- 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  $U_0/U(U_m)$ :** 0.6/1(1.2) kV  
**Test voltage:** 4 kV, 50 Hz, for 5 minutes.

#### Applications

Power supply to power stations  
The cables possess mechanical resistance during laying and after.  
The cables can be installed in open or confined areas, under ground, in sewers, in concrete.

**Max. 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's surface)**

- during installation: -20°C
- in operation: -40°C

#### Copper conductor

Solid conductor (re), compacted (m) or sector-shaped conductor (sm), acc. to SR EN 60228

#### Insulation

Crosslinked polyethylene (XLPE)

#### Inner sheath

Polyethylene

#### Armor

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

#### Sheath

Polyethylene

#### 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

50 N/mm<sup>2</sup>

#### Color coding

- 1 conductor: black or yellow-green
  - 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

**C2XAb(z)2Y , N2XB2Y**

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

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

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Nr de fire din conductor <i>No. of wires / conductor</i>	Grosime radiala izolatie <i>Insulation's radial thickness</i> mm	Grosime radiala manta <i>Sheath's radial thickness</i> mm	Diametru exterior nominal <i>Nominal outer diameter</i> mm	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km	Masa inf <i>Mass inf</i> kg/km
1x50	rm	19	1.0	1.5	16.3	0.387	596
1x70	rm	19	1.1	1.5	18.1	0.268	808
1x95	rm	19	1.2	1.6	20.0	0.193	1066
1x120	rm	37	1.4	1.7	21.9	0.153	1310
1x150	rm	37	1.4	1.7	23.7	0.124	1588
1x185	rm	37	1.6	1.8	26.9	0.0991	1975
1x240	rm	61	1.7	1.9	29.3	0.0754	2530
1x300	rm	61	1.8	2.0	32.3	0.0601	3128
1x400	rm	61	2.0	2.2	37.4	0.0470	4337
1x500	rm	61	2.2	2.3	41.7	0.0366	5544
2x1.5	re	1	0.7	1.8	12.4	12.1	192
2x2.5	re	1	0.7	1.8	13.2	7.41	229
2x4	re	1	0.7	1.8	14.1	4.61	279
2x6	re	1	0.7	1.8	15.1	3.08	344
2x10	re;rm	1;7	0.7	1.8	16.7	1.83	464
2x16	re;rm	1;7	0.7	1.8	18.5	1.15	624
2x25	rm	7	0.9	1.8	22.3	0.727	928
2x35	rm	7	0.9	1.8	24.3	0.524	1181
2x50	rm	19	1.0	1.8	27.1	0.387	1537
2x70	rm	19	1.1	1.9	30.9	0.268	2096
2x95	rm	19	1.1	2.1	34.5	0.193	2748
2x150	rm	37	1.4	2.3	42.3	0.124	4446
3x1.5	re	1	0.7	1.8	12.7	0.387	208
3x2.5	re	1	0.7	1.8	13.5	7.41	252
3x4	re	1	0.7	1.8	14.4	4.61	313
3x6	re	1	0.7	1.8	15.5	3.08	395
3x10	re;rm	1;7	0.7	1.8	17.2	1.83	546
3x16	re;rm	1;7	0.7	1.8	19.1	1.15	752
3x25	rm	7	0.9	1.8	23.1	0.727	1123
3x25+16	rm;re	7	0.9;0.7	1.8	24.4	0.727;1.15	1307
3x35	rm	7	0.9	1.9	23.0	0.524	1257
3x35+16	rm;re	7	0.9;0.7	1.8	26.2	0.524;1.15	1623
3x50+25	sm;rm	19;7	1.0 ; 0.9	1.8	27.2	0.387;0.727	1935

**C2XAb(z)2Y , N2XB2Y**

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

**Armoured power cable with XLPE insulation and polyethylene sheath**

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Nr de fire din conductor <i>No. of wires / conductor</i>	Grosime radiala izolatie <i>Insulation's radial thickness</i> mm	Grosime radiala manta <i>Sheath's radial thickness</i> mm	Diametru exterior nominal <i>Nominal outer diameter</i> mm	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km	Masa inf <i>Mass inf</i> kg/km
3x70+35	sm;rm	19;7	1.1 ; 0.9	1.9	30.6	0.268;0.524	2654
3x95+50	sm;sm	19;19	1.1; 1.0	2.1	33.6	0.193;0.387	3539
3x120+70	sm;sm	37;19	1.2 ; 1.1	2.1	38.5	0.153;0.268	4734
3x150+70	sm;sm	37;19	1.4 ; 1.1	2.3	42.6	0.124;0.268	5602
3x185+95	sm;sm	37;19	1.6 ; 1.1	2.3	46.5	0.0991;0.193	7016
3x240+120	sm;sm	37;37	1.7 ; 1.2	2.6	56.4	0.0754;0.153	9034
4x1.5	re	1	0.7	1.8	13.6	12.1	244
4x2.5	re	1	0.7	1.8	14.5	7.41	300
4x4	re	1	0.7	1.8	15.6	4.61	379
4x6	re	1	0.7	1.8	16.8	3.08	486
4x10	re;rm	1;7	0.7	1.8	18.8	1.83	682
4x16	re;rm	1;7	0.7	1.8	21.0	1.15	950
4x25	rm	7	0.9	1.8	25.6	0.727	1428
4x35	rm	7	0.9	1.9	25.2	0.524	1610
4x50	sm	19	1.0	1.8	29.8	0.387	2188
4x70	sm	19	1.1	2.0	33.9	0.268	3026
4x95	sm	19	1.1	2.1	37.5	0.193	4035
4x120	sm	37	1.2	2.3	42.3	0.153	5288
4x150	sm	37	1.4	2.4	46.3	0.124	6404
4x185	sm	37	1.6	2.6	50.7	0.0991	7971
5x1.5	re	1	0.7	1.8	14.3	12.1	278
5x2.5	re	1	0.7	1.8	15.4	7.41	346
5x4	re	1	0.7	1.8	16.6	4.61	442
5x6	re	1	0.7	1.8	18.0	3.08	573
5x10	re;rm	1;7	0.7	1.8	20.2	1.83	813
5x16	re;rm	1;7	0.7	1.8	22.6	1.15	1144
5x25	rm	7	0.9	1.9	27.9	0.727	1744
5x35	rm	7	0.9	2.0	30.6	0.524	2277
5x50	rm	19	1.0	2.1	34.8	0.387	3138
5x95	rm	19	1.1	2.4	45.9	0.193	6137
7x1.5	re	1	0.7	1.8	15.2	12.1	320
7x2.5	re	1	0.7	1.8	16.3	7.41	410
8x1.5	re	1	0.7	1.8	17.1	12.1	343

**C2XAb(z)2Y , N2XB2Y**

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

**Armoured power cable with XLPE insulation and polyethylene sheath**

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Nr de fire din conductor <i>No. of wires / conductor</i>	Grosime radiala izolatie <i>Insulation's radial thickness</i> mm	Grosime radiala manta <i>Sheath's radial thickness</i> mm	Diametru exterior nominal <i>Nominal outer diameter</i> mm	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km	Masa inf <i>Mass inf</i> kg/km
8x2.5	re	1	0.7	1.8	18.5	7.41	436
10x1.5	re	1	0.7	1.8	18.1	12.1	391
10x2.5	re	1	0.7	1.8	19.5	7.41	498
12x1.5	re	1	0.7	1.8	18.6	12.1	432
12x2.5	re	1	0.7	1.8	20.0	7.41	562
14x1.5	re	1	0.7	1.8	19.3	12.1	477
14x2.5	re	1	0.7	1.8	20.8	7.41	624
19x1.5	re	1	0.7	1.8	20.9	12.1	588
19x2.5	re	1	0.7	1.8	22.7	7.41	776
24x1.5	re	1	0.7	1.8	23.5	12.1	715
24x2.5	re	1	0.7	1.8	25.8	7.41	947
30x1.5	re	1	0.7	1.8	24.6	12.1	836
30x2.5	re	1	0.7	1.8	27.1	7.41	1136
37x1.5	re	1	0.7	1.8	26.3	12.1	980
37x2.5	re	1	0.7	1.8	28.9	7.41	1344