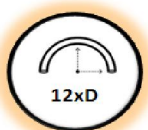
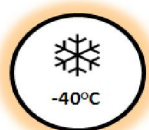
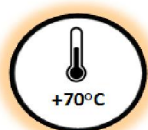
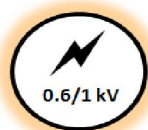


## SZAMKAM, ACYEV



### Cablu de energie din aluminiu cu izolatie si manta de PVC, armat cu banda de aluminiu

### PVC-insulated and sheathed aluminium power cable armored with aluminium tape



**Standard de fabricatie:** IEC 60502-1: 2006

**Tensiune nominala  $U_0/U$ :** 0.6/1 kV

**Tensiune de incercare:** 3.5 kV ca sau 8.4 kV cc, 5 min

**Rezistenta de izolatie la 20°C:** > 50 MΩ\*km

#### Domeniul de utilizare

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

Cablurile trebuie protejate impotriva agentilor corozivi, a solventilor chimici si a radiatiilor solare

**Temperatura minima de instalare pe cablu:** -5°C

**Temperatura maxima de lucru:** +70°C

**Temperatura maxima de scurt-circuit:** +160°C

#### Conductor de aluminiu

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

#### Izolatie

PVC

#### Armatura

Banda de Al

#### Manta exterioara

PVC tip ST1 negru

Cablurile sunt cu intarziere la propagarea flacarii, incercare conf. SR EN 60332-1-2

#### Marcaj pe manta

Simbol cablu, tensiune de lucru, SC ELECTROPLAST SA luna/an , CE, marcaj de lungime

#### Raza minima de curbura la instalare

12 x diametrul cablului

#### Forta maxima de tractiune la pozare

30 N/mm<sup>2</sup>

#### Cod de culoare izolatie

- 1 cond : negru
- 4 cond : g-v, maro , negru, gri

**Standard:** IEC 60502-1: 2006

**Rated voltage  $U_0/U$ :** 0.6/1 kV

**Test voltage:** 3.5 kV ac or 8.4 kV dc, 5 min

**Insulation resistance 20°C:** > 50 MΩ\*km

#### Applicability

Power supply to power stations.

The cables must be protected against: corrosive chemicals, chemical solvents.

**Min. cable temperature during installation:** -5°C

**Max. permissible operating temperature:** +70°C

**Max. short-circuit temperature:** +160°C

#### Aluminium conductor

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

#### Insulation

PVC

#### Armour

Aluminium tape

#### Outer sheath

PVC type ST1 black

Flame retardant cables, test according to SR EN 60332-1-2

#### Sheath marking

Cable symbol, operational voltage, SC

ELECTROPLAST SA month/manufacturing year,

CE, length marking

#### Min. bending radius at installation

12 x cable diameter

#### Max. tensile strain during installation

30 N/mm<sup>2</sup>

#### Core identification

- 1 conductor: black
- 4 conductors: y-g, brown, black, grey.

## SZAMKAM, ACYEV



**Cablu de energie din aluminiu cu izolatie si manta de PVC, ecranat cu banda de aluminiu**

**PVC-insulated and sheathed aluminium power cable with aluminium tape screen**

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie,	Grosime radiala nom manta exterioara	Rezistenta electrica max, la 20°C	Diametru exterior inf	Masa Inf
<i>Cable size</i>	<i>Conductor type</i>	<i>Insulation radial thickness</i>	<i>Outer sheath radial thickness</i>	<i>Max. resistance at 20°C</i>	<i>Outer diameter Inf</i>	<i>Mass, inf</i>
		mm	mm	Ω/km	mm	kg/km
1x240	rm	2.2	1.9	0.125	28.2	1225
1x300	rm	2.4	1.9	0.100	30.4	1594
1x1000	rm	3.0	2.7	0.0291	54.0	4350
4x16	re	1.0	1.8	1.91	21.4	570
4x50	sm	1.4	2.0	0.641	32.2	1300
4x95	sm	1.6	2.2	0.320	39.2	2150
4x150	sm	1.8	2.5	0.206	47.8	3100
4x240	sm	2.2	2.8	0.125	57.2	4800