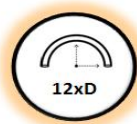
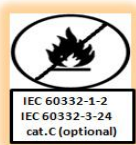
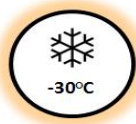
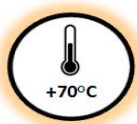
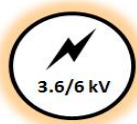




## Cablu de energie, ecranat, cu izolatie si manta de PVC

## Screened power cable, PVC insulated and sheathed



**Standard de fabricatie:** SR CEI 60502-2  
**Tensiune nominala  $U_0/U(U_m)$ :** 3.6/6 (7.2) kV  
**Tensiune de incercare:** 12.5 kV c.a, 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

### Conductor de aluminiu

Conductor multifilar, cl.2 (rm), sector (sm).

### Izolatie

PVC, tip B

### Invelis intern din PVC

\* Banda semiconductoare cu bariera la propagarea apei

### Ecran

Banda din cupru de 0.1 mm.

### Manta exterioara

PVC tip ST1, culoare: rosu, negru sau gri.  
 Cablurile ACYEY sunt cu rezistenta la propagarea flacarii; incercare conf. SR EN 60332-1-2  
 Iar ACYEY-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/mm<sup>2</sup>

### Cod de culori

- 3 conductoare: albe

**Reference standard:** SR CEI 60502-2  
**Rated voltage  $U_0/U(U_m)$ :** 3.6 / 6 (7.2) kV  
**Test voltage:** 12.5 kV AC, 5 min.

### Applicability

Power supply to power stations.  
 The cables must be protected against: corrosive chemicals, chemical solvents.

**Max. permissible operating temperature :** +70°C  
**Max. short-circuit temperature:** +160°C  
**Minimum cable temperature (measured on the sheath surface)**

- during installation: -5°C
- in operation: -33°C

### Aluminium conductor

Concentrically stranded circular conductor (rm), sector-shaped (sm)

### Insulation

PVC, B type.

### PVC Inner protective layer

\* Watertight semi-conductive tape

### Screen

Copper tape, 0.1 mm thickness

### Outer sheath

PVC, ST1 type, color: red, black or grey.  
 ACYEY are flame retardant; test acc. to SR EN 60332-1-2

ACYEY-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/mm<sup>2</sup>

### Color coding

- 3 conductors: white



**Cablu de energie, ecranat, cu izolatie si manta de PVC**

**Screened power cable, PVC insulated and sheathed**

<b>Tipodimen siune cablu</b> <i>Cable size</i>	<b>Tip conductor</b> <i>Type of conductor</i>	<b>Grosime radiala izolatie nom</b> <i>Insulation's radial thickness</i>	<b>Grosime radiala nom manta exterioara</b> <i>Outer sheath's nom/min radial thickness</i>	<b>Rezistenta electrica max, la 20°C</b> <i>Max. resistance at 20°C</i>	<b>Diametru exterior inf</b> <i>Outer diameter Inf</i>	<b>Masa Inf</b> <i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
3x25	rm	3.4	2.2	1.200	34.6	1600
3x35	rm	3.4	2.3	0.868	35.9	1950
3x50	sm	3.4	2.2	0.641	34.0	2300
3x70	sm	3.4	2.3	0.443	37.4	3100
3x95	sm	3.4	2.4	0.320	40.2	3980
3x120	sm	3.4	2.5	0.253	42.8	4830
3x150	sm	3.4	2.6	0.206	45.8	5630
3x185	sm	3.4	2.7	0.164	48.8	7010
3x240	sm	3.4	2.9	0.125	53.2	8750