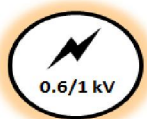


# CYALY, CYALY-F

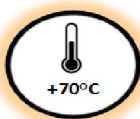


**Cablu de energie cu izolatie si manta de PVC, armat cu sarma de aluminiu**

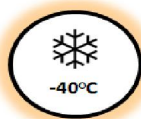
**Aluminium armored single core power cable, PVC-insulated and sheathed.**



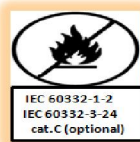
0.6/1 kV



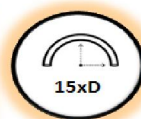
+70°C



-40°C



IEC 60332-1-2  
IEC 60332-3-24  
cat.C (optional)



15xD



UV



MIN -5°C



RoHS  
COMPLIANT

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

**Tensiune nominala U<sub>0</sub>/U:** 0.6/1 kV

**Tensiune de incercare:** 3.5 kV ca sau 8.4 kV cc, 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: -40°C

### Conductor de cupru

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

### Izolatie

PVC

### Manta interioara

PVC, negru

### Armatura

Sarme de Al

### Manta exterioara

PVC negru sau gri

Cabluri CYALY sunt cu intarziere la propagarea flacarii, conf SR EN 60332-1-2

Cabluri sunt cu intarziere marita la propagarea flacarii: CYALY-F conf. SR EN 60332-3-24/ cat.C

### Marcaj pe manta

Simbol cablu, tensiune nominala, 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

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

### Cod de culoare izolatie

- negru

**Standard:** IEC 60502-1

**Rated voltage U<sub>0</sub>/U:** 0.6/1 kV

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

**Min. cable temperature (measured on sheath surface)**

- during installation: -5°C
- in operation: -40°C

### Copper conductor

Solid conductor (re) or concentrically stranded conductor (rm) acc. to SR EN 60228

### Insulation

PVC

### Inner sheath

PVC, black

### Armor

Aluminium wires

### Outer sheath

PVC black or gray

CYALY are flame retardant cables, test acc. to SR EN 60332-1-2

CYALY-F are extra flame retardant cables, test according to SR EN 60332-3-24/ C category.

### Sheath marking

Symbol cable, nominal voltage, SC ELECTROPLAST SA months/ manufacture year, CE, length marking

### Min. bending radius at installation

12 x cable diameter

### Max. tensile strain during installation

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

### Core identification

- black

# CYALY , CYALY-F



**Cablu de energie cu izolatie si manta de PVC,  
armat cu sarma de aluminiu**

**Aluminium armored single core power cable,  
PVC-insulated and sheathed.**

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie,	Diametru sarmei ptr armatura din AL	Grosime radiala nom/min manta exterioara	Rezistenta electrica max,la 20°C a conductorului de cupru	Diametru exterior inf	Masa Inf
<i>Cable size</i>	<i>Type of conductor</i>	<i>Radial thickness of insulation</i>	<i>Diameter aluminum wire for reinforcement</i>	<i>Radial thickness nom/min of outer sheath</i>	<i>Max. resistance electrical max, the 20 ° C copper conductor</i>	<i>Outer diameter Inf</i>	<i>Mass, inf</i>
		mm		mm	Ω/km	mm	kg/km
1x6	ru	1.0	0,9	1.8/1.24	3.08	11.9	238
1x10	ru	1.0	0,9	1.8/1.24	1.83	12.7	292
1x16	ru	1.0	0,9	1.8/1.24	1.15	13.6	336
1x25	rm	1.2	0,9	1.8/1.24	0.727	15.5	499
1x35	rm	1.2	1.25	1.8/1.24	0.524	17.2	646
1x50	rm	1.4	1.25	1.8/1.24	0.387	18.8	814
1x70	rm	1.4	1.25	1.8/1.24	0.268	20.4	1044
1x95	rm	1.6	1.6	1.8/1.24	0.193	23.2	1400
1x120	rm	1.6	1.6	1.8/1.24	0.153	24.7	1653
1x150	rm	1.8	1.6	1.8/1.24	0.124	26.9	1984
1x185	rm	2.0	1.8	1.8/1.24	0.0991	30.3	2482
1x240	rm	2.2	2.0	1.9/1.32	0.0754	33.3	3122
1x300	rm	2.4	2.3	2.0/1.40	0.0601	37.1	3888
1x400	rm	2.6	2.6	2.3/1.64	0.047	39.2	5139