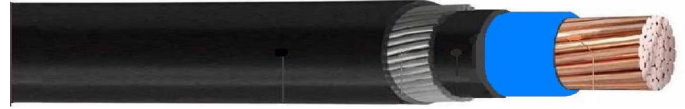
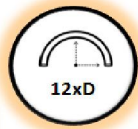
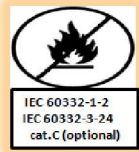
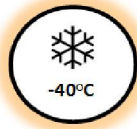
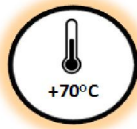
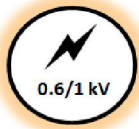


PVC/PVC/AWA/PVC; CYALY(-F)



Cablu de energie cu izolatie si manta de PVC, armate cu sarma de Al

Power cable with PVC insulation and jacket, reinforced with Al wires



Standard de fabricatie: SR CEI 60502-1
Tensiune nominala $U_0/U(Um)$: 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 de cupru in functionarea de durata: +70°C

Temperatura maxima a conductorului in scurt-circuit (max 5 s): +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

Invelis intern extrudat

PVC

Armatura

Armatura din sarme de Al.

Manta exterioara

PVC tip ST2 negru

Aceste cabluri sunt cu intarziere la propagarea flacarii:

CYALY conf SR EN 60332-1-2

CYALY-F, conf. SR EN 60332-3-24/ cat.C

Marcaj pe manta

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

Raza minima de curbura la instalare

12 x diametrul cablului

Forta maxima de tractiune la pozare

50 N/mm²

Cod de culori

- 1 conductor: maro sau albastru.

Standard: SR CEI 60502-1

Rated voltage $U_0/U(Um)$: 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: +70°C

Max. conductor temperature in short-circuit (max 5 s): +160°C

Minimum cable temperature (masured on the sheath surface):

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

Copper conductor

Solid conductor (re) or concentrically stranded conductor (rm), according to SR EN 60228

Insulation

PVC

Extruded inner covering

PVC

Armor

Aluminum wire armor.

Outer sheath

PVC, ST2 type black

Flame or extra flame retardant cables:

CYALY according SR EN 60332-1-2

CYALY-F according SR EN 60332-3-24/ C category

Sheath marking

SC ELECTROPLAST SA, cable symbol, operational voltage, manufacture year.

Min. bending radius at installation

12 x cable diameter

Max. tensile strain at installation

50 N/mm²

Color coding

- 1 conductor: brown or blue.

PVC/PVC/AWA/PVC; CYALY(-F)



Cablu de energie cu izolatie si manta de PVC, armate cu sarma de Al

Power cable with PVC insulation and jacket, reinforced with Al wires

Tipodimensiune cablu <i>Cable size</i>	Tip conduc- tor <i>Cond. type</i>	Grosime radiala izolatie <i>Radial insulation thickness</i>	Diam sarmei de Al <i>Aluminum wire diameter</i>	Grosime radiala invelis intern <i>Bedding thickness</i>	Grosime radiala manta externa <i>Oversheath thickness</i>	Diametru exterior inf <i>Outer diameter inf</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km		Masa inf <i>Mass inf</i> kg/km
							Cu	Al	
1x10	ru	1.0	0.90	0.8	1.2	11.7	1.83	1.74	260
1x16	ru	1.0	0.90	0.8	1.4	12.8	1.15	1.57	340
1x16	rm	1.0	0.90	0.8	1.4	13.2	1.15	1.53	348
1x25	rnc	1.2	0.90	0.8	1.4	14.7	0.727	1.32	468
1x35	rnc	1.2	1.25	0.8	1.5	16.6	0.524	0.84	620
1x50	rnc	1.4	1.25	0.8	1.5	18.2	0.387	0.74	785
1x70	rnc	1.4	1.25	0.8	1.8	20.4	0.268	0.66	1044
1x95	rnc	1.6	1.6	0.8	1.8	23.2	0.193	0.67	1400
1x120	rnc	1.6	1.6	0.8	1.8	24.7	0.153	0.61	1635
1x150	rnc	1.8	1.60	1.0	1.8	26.9	0.124	0.42	1984
1x185	rnc	2.0	1.80	1.0	1.9	30.5	0.0911	0.38	2518
1x240	rnc	2.2	2.0	1.0	2.0	33.5	0.0754	0.34	3139
1x300	rnc	2.4	2.3	1.0	2.1	37.3	0.0601	0.31	3900