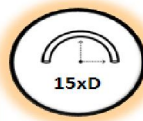
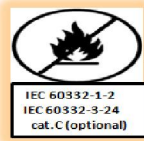
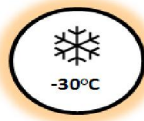
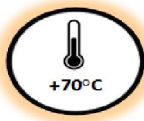
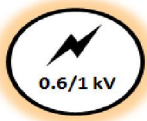


CYCY, NYCY, CYCY-F



Cablu de energie din cupru cu izolatie si manta de PVC si conductor concentric de cupru

Copper power cable with PVC insulation and jacket and concentric copper conductor



Standard de referinta: SR HD 603 S1/3G-2; VDE 0276/603

Tensiune nominala U_0/U : 0.6/1 kV

Tensiune de incercare: 4 kV ca sau 12 kV cc, 5 min

Domeniul de utilizare

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

Cablurile pot fi pozate in spatii inchise si deschise, in pamant, in canale, in beton.

Temperatura max in functionarea de durata: +70°C

Temperatura maxima de scurt-circuit: +160°C

Temperatura de utilizare normala: -30°C/+60°C

Temperatura minima de montaj: -5°C

* Cablurile sunt cu rezistenta la UV

Conductor de cupru

Conductor unifilar (re) cl.1 sau conductor multifilar (rm), cl.2, conf. SR EN 60228.

Izolatia

PVC

Invelis intern

PVC, negru sau gri

Conductor concentric + contraspira

Sarma de cupru + contraspira din banda de Cu

Strat separator

Banda poliesterica

Manta

PVC negru sau gri.

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

Iar CYCY-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

Raza minima de curbura la instalare

15 x diametrul cablu lui- cablu monofilar

12 x diametrul cablu lui- cablu multifilar

Forta maxima de tractiune la pozare

15 N/mm²

Cod de culori

- 1 conductor: negru
- 2 conductoare: albastru, maro
- 3 conductoare: maro, negru, gri
- 4 conductoare: albastru, maro, negru, gri
- 5 conductoare: albastru, maro, negru, gri, negru

* Mai mult de 5 conductoare:

- conductoare negre numerotate
- g/v, conductoare negre numerotate

Standard: SR HD 603 S1/3G-2; VDE 0276/603

Rated voltage U_0/U : 0.6/1 kV

Test voltage: 4 kV ac or 12 kV dc, 5 min

Applicability

Power supply to power stations.

The cables can be installed in open or confined areas, underground, in sewers, in concrete.

Max.permissible operating temperature: +70°C

Max. short-circuit temperature: +160°C

Normal operational temperature range: -30°C/+60°C

Minimum temperature during installation : -5°C

* UV resistant cables

Copper conductor

Solid conductor (re) cl.1 or concentrically stranded conductor (rm) cl.2, according to SR EN 60228.

Insulation

PVC

Inner sheath

PVC, black or grey

Concentric conductor + conterhelix

Copper wire + copper tape counterhelix

Separating layer

Polyester tape

Sheath

PVC, black or grey.

CYCY, NYCY are flame retardant cables, test according to SR EN 60332-1-2

CYCY-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, manufacturing year.

Min. bending radius at installation

15 x cable diameter – single-core cable

12 x cable diameter – multicore cable

Max. tensile strain during installation

15 N/mm²

Color coding

- 1 conductor: black
- 2 conductors: blue, brown
- 3 conductors: brown, black, grey
- 4 conductors: blue, brown, black, grey
- 5 conductors: blue, brown, black, grey, black

More than 5 conductors:

- numbered black conductors
- y/g, others are numbered black conductors

CYCY, NYCY, CYCY-F



Cablu de energie din cupru cu izolatie si manta de PVC si conductor concentric de cupru

Copper power cable with PVC insulation and jacket and concentric copper conductor

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Type of conductor</i>	Grosime radiala izolatie <i>Insulation radial thickness</i>	Grosime radiala manta <i>Sheath radial thickness</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>	Diametru exterior inf <i>Outer diameter inf</i>	Masa inf <i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
1x6/6	re	1.0	1.8	3.08	11.3	225
1x10/10	re	1.0	1.8	1.83	12	312
1x16/16	re	1.0	1.8	1.15	13	430
1x25/25	rm	1.2	1.8	0.727	15.8	630
1x35/35	rm	1.2	1.8	0.524	17.0	815
1x50/50	rm	1.4	1.8	0.387	19.4	1110
1x50/25	rm	1.4	1.8	0.387/0.727	17.1	830
1x70/70	rm	1.4	1.8	0.268	22.2	1550
1x70/35	rm	1.4	1.8	0.268/0.524	19.1	1140
1x95/95	rm	1.6	1.8	0.193	24.8	2040
1x95/50	rm	1.6	1.8	0.193/0.387	22.0	1550
1x120/50	rm	1.6	1.8	0.153/0.387	23.5	1771
1x120/120	rm	1.6	1.8	0.153	26.4	2521
1x150/70	rm	1.8	1.8	0.153/0.268	24.5	2220
1x185/95	rm	2.0	1.9	0.0991/0.193	30.4	2954
1x240/25	rm	2.2	1.9	0.0754/0.727	29.0	2850
1x300/150	rm	2.4	2.0	0.0601/0.124	33.7	4495
2x1.5/1.5	re	0.8	1.8	12.1	13.5	260
2x2.5/2.5	re	0.8	1.8	7.41	14.3	315
2x4/4	re	1.0	1.8	4.61	16.1	400
2x6/6	re	1.0	1.8	3.08	17.0	470
2x10/10	re	1.0	1.8	1.83	18.7	635
2x16/16	re	1.0	1.8	1.15	20.2	803
2x16/16	rm	1.0	1.8	1.15	21.0	833
2x25/25	rm	1.2	1.8	0.727	26.2	1330
3x1.5/1.5	re	0.8	1.8	12.1	12.6	232
3x1.5/4	re	0.8	1.8	12.1/7.41	12.8	247
3x1.5/16	re	0.8	1.8	12.1/1.15	13.0	347
3x2.5/2.5	re	0.8	1.8	7.41	13.4	340
3x2.5/16	re	0.8	1.8	7.41/1.15	13.8	391
3x4/4	re	1.0	1.8	4.61	15.4	450
3x4/16	re	1.0	1.8	4.61/1.15	15.6	483
3x6/6	re	1.0	1.8	3.08	18	550
3x10/10	re	1.0	1.8	1.83	20	740
3x16/16	re	1.0	1.8	1.15	22	1030



Cablu de energie din cupru cu izolatie si manta de PVC si conductor concentric de cupru

Copper power cable with PVC insulation and jacket and concentric copper conductor

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Type of conductor</i>	Grosime radiala izolatie <i>Insulation radial thickness</i>	Grosime radiala manta <i>Sheath radial thickness</i>	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i>	Diametru exterior inf <i>Outer diameter inf</i>	Masa inf <i>Mass inf</i>
		mm	mm	Ω/km	mm	kg/km
3x25/25	rm	1.2	1.8	0.727	28	1585
3x25/16	rm	1.2	1.8	0.727/1.15	27	1508
3x35/35	rm	1.2	1.8	0.524	29	2050
3x35/16	rm	1.2	1.8	0.524/1.15	28	1930
3x50/50	sm	1.4	1.9	0.387	30	2100
3x50/25	sm	1.4	1.9	0.387/0.727	29	1877
3x70/70	sm	1.4	1.9	0.268	36	3190
3x70/35	sm	1.4	2.0	0.268/0.524	35	2850
3x95/95	sm	1.6	2.2	0.193	39	4300
3x95/50	sm	1.6	2.2	0.193/0.387	38	3900
3x120/70	sm	1.6	2.2	0.153/0.268	39.4	4674
3x150/70	sm	1.8	2.4	0.124/0.268	43.6	5594
4x1.5/1.5	re	0.8	1.8	12.1	13.5	318
4x1.5/16	re	0.8	1.8	12.1/1.15	13.9	385
4x2.5/2.5	re	0.8	1.8	7.41	14.6	390
4x2.5/16	re	0.8	1.8	7.41/1.15	14.9	457
4x2.5/35	re	0.8	1.8	7.41/0.524	16.8	650
4x4/4	re	1.0	1.8	4.61	17.6	520
4x6/6	re	1.0	1.8	3.08	19.0	640
4x10/10	re	1.0	1.8	1.83	21	875
4x16/16	re	1.0	1.8	1.15	25.0	1230
4x25/25	rm	1.2	1.8	0.727	30.0	1910
4x25/16	rm	1.2	1.8	0.727/1.15	29.7	1830
4x35/35	rm	1.2	1.8	0.524	33.2	2500
4x35/16	rm	1.2	1.8	0.524/1.15	32.7	2350
4x50/50	sm	1.4	2.0	0.387	32.6	2890
4x50/25	sm	1.4	2.0	0.387/0.727	31.2	2640
4x70/70	sm	1.4	2.1	0.268	37.0	4985
4x70/35	sm	1.4	2.1	0.268/0.524	35.6	3630
4x95/95	sm	1.6	2.3	0.193	42.0	5400
4x95/50	sm	1.6	2.3	0.193/0.387	40.4	4950
4x120/70	sm	1.6	2.4	0.153/0.268	44.9	5985
5x1.5/1.5	re	0.8	1.8	12.1	14.4	321
5x1.5/4	re	0.8	1.8	12.1/4.61	14.6	338
5x1.5/16	re	0.8	1.8	12.1/1.15	14.7	423
5x2.5/2.5	re	0.8	1.8	7.41	15.4	396



Cablu de energie din cupru cu izolatie si manta de PVC si conductor concentric de cupru

Copper power cable with PVC insulation and jacket and concentric copper conductor

Tipodimensiune cablu	Tip conductor	Grosime radiala izolatie	Grosime radiala manta	Rezistenta electrica max, la 20°C	Diametru exterior inf	Masa inf
<i>Cable size</i>	<i>Type of conductor</i>	<i>Insulation radial thickness</i>	<i>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
5x2.5/4	re	0.8	1.8	7.41/4.61	15.6	409
5x2.5/35	re	0.8	1.8	7.41/0.524	18.7	705
5x4/4	re	1.0	1.8	4.61	19.4	620
6x4/4	re	1.0	1.8	4.61	20.5	600
8x4/4	re	1.0	1.8	4.61	24.0	710
10x4/6	re	1.0	1.8	4.61/3.08	24.9	910
12x4/6	re	1.0	1.8	4.61/3.08	25.6	1025
5x6/6	re	1.0	1.8	3.08	20.5	735
5x10/10	re	1.0	1.8	1.83	22.5	1038
5x16/16	re	1.0	1.8	1.15	25.7	1450
5x25/25	rm	1.2	1.9	0.727	32.2	2190
6x1.5/2.5	re	0.8	1.8	12.1/7.41	16.5	400
6x2.5/2.5	re	0.8	1.8	7.41	17.7	510
7x1.5/1.5	re	0.8	1.8	12.1	15.4	328
7x1.5/4	re	0.8	1.8	12.1/4.61	15.4	341
7x1.5/16	re	0.8	1.8	12.1/1.15	15.7	448
7x2.5/2.5	re	0.8	1.8	7.41	16.9	460
7x2.5/35	re	0.8	1.8	7.41/0.524	18.8	736
8x2.5/4	re	0.8	1.8	7.41/4.61	20.2	560
8x2.5/2.5	re	0.8	1.8	7.41/7.41	18.7	494
9x1.5/1.5	re	0.8	1.8	12.1	18.5	430
9x2.5/2.5	re	0.8	1.8	7.41	20.1	550
10x1.5/2.5	re	0.8	1.8	12.1/7.41	18.3	455
10x1.5/4	re	0.8	1.8	12.1	18.3	467
10x1.5/16	re	0.8	1.8	12.1/1.15	18.7	552
10x2.5/2.5	re	0.8	1.8	7.41	20.3	600
10x2.5/4	re	0.8	1.8	7.41/4.61	21.3	650
12x1.5/4	re	0.8	1.8	12.1/4.61	18.8	493
12x1.5/16	re	0.8	1.8	12.1/4.61	19.1	604
12x2.5/4	re	0.8	1.8	7.41/4.61	20.3	631
12x2.5/16	re	0.8	1.8	7.41/1.15	20.7	739
14x1.5/4	re	0.8	1.8	12.1/4.61	19.5	546
14x1.5/16	re	0.8	1.8	12.1/1.15	19.9	654
14x2.5/4	re	0.8	1.8	7.41/4.69	21.2	705
14x2.5/6	re	0.8	1.8	7.41/3.08	21.4	728
14x2.5/16	re	0.8	1.8	7.41/1.15	22.7	813

CYCY, NYCY, CYCY-F



Cablu de energie din cupru cu izolatie si manta de PVC si conductor concentric de cupru

Copper power cable with PVC insulation and jacket and concentric copper conductor

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Type of conductor</i>	Grosime radiala izolatie <i>Insulation radial thickness</i> mm	Grosime radiala manta <i>Sheath radial thickness</i> mm	Rezistenta electrica max, la 20°C <i>Max. resistance at 20°C</i> Ω/km	Diametru exterior inf <i>Outer diameter inf</i> mm	Masa inf <i>Mass inf</i> kg/km
14x2.5/35	re	0.8	1.8	7.41/0.524	23.5	998
16x1.5/4	re	0.8	1.8	12.1/4.61	20.4	600
16x1.5/16	re	0.8	1.8	12.1/1.15	20.8	712
16x2.5/6	re	0.8	1.8	7.41/3.08	23.7	895
19x1.5/4	re	0.8	1.8	12.1/4.61	21.3	676
19x1.5/16	re	0.8	1.8	12.1/1.15	21.7	784
19x2.5/6	re	0.8	1.8	7.41/3.08	23.4	909
19x2.5/16	re	0.8	1.8	7.41/1.15	23.5	994
21x1.5/6	re	0.8	1.8	12.1/3.08	22.4	754
21x1.5/16	re	0.8	1.8	12.1/3.08	22.6	839
21x2.5/6	re	0.8	1.8	7.41/3.08	26.7	1060
24x1.5/6	re	0.8	1.8	12.1/3.08	25.6	1040
24x2.5/6	re	0.8	1.8	7.41/3.08	26.5	1106
24x2.5/10	re	0.8	1.8	7.41/1.83	26.7	1145
24x2.5/16	re	0.8	1.8	7.41/1.15	26.8	1194
30x2.5/10	re	0.8	1.9	7.41/1.83	28.3	1364
30x2.5/16	re	0.8	1.9	7.41/1.15	28.4	1413