We Make Modern Life Possible.



POWER CABLES AND OVERHEAD LINES 0.6/1 KV

1-CYKY

PVC/PVC copper energy cables

The cables are designed for distribution of electrical energy in fixed installation in the ground, cable ducts and in the outdoor environment.

TECHNICAL DATA

Standard
ČSN 347659-3P

Certificate
EZÚ Czech Republic

Test Voltage
core/core 4 kV / 50 Hz

Rated Voltage
0.6/1 kV

Bending radius (min.)
12 x Ø of cable up to 15 mm
15 x Ø of cable over 15 mm

Fire properties
ČSN EN 60332-1-2: self-extinguishing
CPR classification: Eca

Core identification
ČSN 33 0166 ed. 2

Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 70°C
Conductor temperature: max. 70°C
Short circuit temperature: max. 160°C

DESIGN



1. Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
2. Core insulation (PVC)
3. Inner covering (EPDM or plastic tape)
4. Sheath (PVC black, UV-resistant)

Number of cores x nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
4 x 10 RE	1.83	78	59	16.1	700
4 x 16 RE	1.15	101	78	18.6	970
4 x 25 RM	0.727	132	105	23.8	1515
5 x 25 RM	0.727	92	105	26.1	1825
3 x 35 + 25 RM/RM	0.524 / 0.727	159	129	26.2	1810
4 x 35 RM	0.524	159	129	26.2	1955
5 x 35 RM	0.524	110	129	28.8	2370
3 x 50 + 35 SM/RM	0.387 / 0.524	188	157	30.4	2060
4 x 50 RM	0.387	188	157	31.3	2600
4 x 50 SM	0.387	188	157	30.4	2190
5 x 50 RM	0.387	130	109	35.1	3180
3 x 70 + 50 SM/RM	0.268 / 0.387	232	199	34.9	2780
4 x 70 SM	0.268	232	199	34.9	2990
5 x 70 RM	0.268	164	140	39.9	4320
3 x 95 + 70 SM/RM	0.193 / 0.268	280	246	39.3	3830
3 x 95 + 50 SM/RM	0.193 / 0.387	280	246	39.3	3640
4 x 95 SM	0.193	280	246	39.3	4100
5 x 95 RM	0.193	197	173	46.0	5935
3 x 120 + 50 SM/RM	0.153 / 0.387	318	285	43.0	4350
3 x 120 + 70 SM/RM	0.153 / 0.268	318	285	43.0	4540
4 x 120 SM	0.153	318	285	43.0	5035
5 x 120 RM	0.153	223	200	43.3	6260
3 x 150 + 70 SM/RM	0.124 / 0.268	359	326	46.8	5410
4 x 150 SM	0.124	359	326	46.8	6190
3 x 185 + 95 SM/RM	0.102 / 0.193	406	374	49.8	6890
4 x 185 SM	0.102	406	374	49.8	7760
3 x 240 + 120 SM/RM	0.075 / 0.153	473	445	56.4	8840
4 x 240 SM	0.075	473	445	56.4	10055

Technical changes reserved. All figures are therefore without guarantee.



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