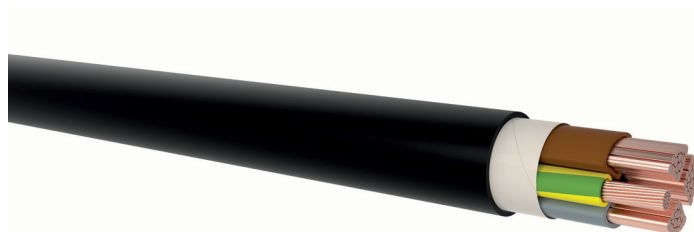


# 1-CYKY

PVC/PVC copper energy cable

## 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)

## APPLICATION

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:**  
TP PRAKAB 01/03



**Rated voltage:**  
0.6/1 kV



**Test voltage:**  
core / core                      4 kV / 50 Hz



**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/5 s



**Bending radius (min.):**  
12 x Ø up to 15 mm  
15 x Ø over 15 mm



**Core identification:**  
ČSN 33 0166 ed. 2



**Fire properties:**  
ČSN EN 60332-1-2: self-extinguishing  
CPR classification:            E<sub>ca</sub>



**Certificate:**  
EZÚ ČR

Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
<b>1-CYKY</b>						
4 x 25 RM	0.752	132	105	23.8	1360	1000 D
5 x 25 RM	0.752	132	105	26.1	1740	1000 D
3 x 35 + 25 RM/RM	0.537 /0.752	159	129	26.2	1780	1000 D
4 x 35 RM	0.537	159	129	26.2	1810	1000 D
5 x 35 RM	0.537	159	129	28.8	2240	1000 D
3 x 50 + 35 SM/RM	0.387 /0.537	188	157	30.4	2060	1000 D
4 x 50 RM	0.387	188	157	31.3	2590	1000 D
4 x 50 SM	0.387	188	157	30.4	2360	1000 D
3 x 70 + 50 SM/RM	0.268 /0.387	232	199	34.9	2800	1000 D
4 x 70 RM	0.268	232	199	35.8	3510	1000 D
4 x 70 SM	0.268	232	199	34.9	3140	1000 D
5 x 70 RM	0.268	164	140	39.9	4160	1000 D
3 x 95 + 50 SM/RM	0.198 /0.387	280	246	39.3	3600	1000 D
3 x 95 + 70 SM/RM	0.198 /0.268	280	246	39.3	3940	1000 D
4 x 95 RM	0.198	280	246	41.3	4730	1000 D
4 x 95 SM	0.198	280	246	39.3	4210	1000 D

## 1-CYKY

PVC/PVC copper energy cable

Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
<b>1-CYKY</b>						
3 x 120 + 50 SM/RM	0.157 /0.387	318	285	43.0	4270	500 D
3 x 120 + 70 SM/RM	0.157 /0.268	318	285	43.0	4430	500 D
4 x 120 SM	0.157	318	285	43.0	5250	500 D
3 x 150 + 70 SM/RM	0.124 /0.268	359	326	46.8	5350	500 D
4 x 150 SM/SM	0.124	359	326	46.8	6620	500 D
3 x 185 + 95 SM/RM	0.102 /0.198	406	374	49.8	6780	500 D
4 x 185 SM	0.102	406	374	49.8	8030	500 D
3 x 240 + 120 SM/RM	0.07783/0.157	473	445	56.4	8570	500 D
4 x 240 SM	0.07783	473	445	56.4	9690	500 D

Technical changes reserved. All figures are therefore without guarantee.