



# 1-AYKY-OT

PVC/PVC hybrid energy cables, with polymeric tube

## LOW VOLTAGE CABLES 0,6/1 KV

The hybrid cables consist of a power metallic cable designed for the transmission of electrical energy and a polymer tube which is placed under the common outer sheath of the hybrid cable. The cables are designed for fixed distribution in power plants, distribution networks, industrial equipment, switchboards, etc., in the ground or in the external environment. The cables are UV-resistant.



### TECHNICAL DATA



**Standard**  
TP PRAKAB 02/08



**Rated Voltage**  
0.6/1 kV



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



**Certificate**  
EZÚ Czech Republic



**Bending radius (min.)**  
15 x Ø of cable



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



**Test Voltage**  
core/core 4 kV / 50 Hz



**Fire properties**  
EN 60332-1-2: self-extinguishing  
CPR Classification: Eca

### DESIGN



1 Optical cable (is not included power cable)

2 HDPE tube

3 Aluminium conductor, sector-shaped stranded (SM)

4 Core insulation (PVC)

5 Inner covering (Plastic tape)

6 Sheath (PVC black, UV-resistant)

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 appr. (mm)	Total weight appr. (kg/km)
3x240 + 120 SM/SM + OT 12/8	0.125 / 0,253	364	338	56.5	3985

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