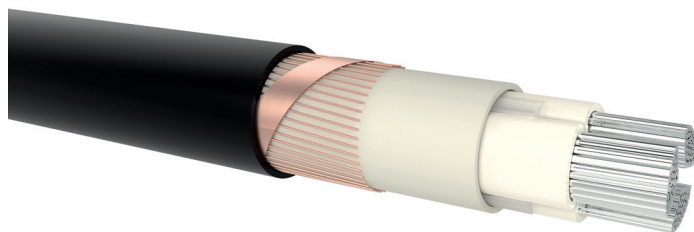


## 6-AYKCY

PVC/PVC aluminium underground cable, screened

### DESIGN



- 1 | Aluminium conductor, round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM or plastic tape)
- 4 | Inner sheath (PVC colorless)
- 5 | Screen (copper tape or bare copper wires applied with changing direction of lay)
- 6 | Inner covering (plastic tape)
- 7 | Sheath (PVC black, UV-resistant)

### APPLICATION

The cables are designed for fixed distribution of electricity in the ground or in the outdoor environment.

### TECHNICAL DATA



**Standard:**  
TP PRAKAB 03/08



**Rated voltage:**  
3,6/6 kV



**Test voltage:**  
core / core 15 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 (≤300 mm<sup>2</sup>)  
 max. 140 °C/5 s (>300 mm<sup>2</sup>)



**Bending radius (min.):**  
 6 x Ø up to 20 mm  
 12 x Ø of cable for Ø from 20 mm up to 40 mm  
 15 x Ø over 50 mm



**Core identification:**  
Natural cores colour



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



**Certificate:**  
EZÚ Czech Republic

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>6-AYKCY</b>						
3 x 25 RE/16	1.2	103	83	35.9	1760	1000 D
1 x 35 RM/16	0.868	193	135	22.7	735	1000 D
3 x 35 RE/16	0.868	123	101	38.3	2050	1000 D
1 x 50 RM/16	0.641	230	166	24.0	825	1000 D
3 x 50 RE/16	0.641	145	121	40.8	2370	1000 D
1 x 70 RM/16	0.443	283	210	25.7	945	1000 D
3 x 70 SM/16	0.443	180	155	43.3	2040	1000 D
3 x 70 SM/50	0.443	340	259	28.4	1160	1000 D
1 x 95 RM/16	0.32	216	189	47.7	2580	1000 D
3 x 95 SM/16	0.32	216	189	47.7	2580	1000 D
3 x 95 SM/50	0.32	216	189	50.2	2840	1000 D
1 x 120 RM/16	0.253	389	302	29.8	1290	1000 D
3 x 120 SM/16	0.253	26	220	49.8	2910	1000 D

## 6-AYKCY

PVC/PVC aluminium underground cable, screened

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>6-AYKCY</b>						
3 x 120 SM/50	0.253	246	220	52.3	3190	1000 D
1 x 150 RM/25	0.206	436	345	32.5	1550	1000 D
3 x 150 SM/25	0.206	276	249	54.4	3380	1000 D
3 x 150 SM/50	0.206	276	249	55.5	3580	1000 D
1 x 185 RM/25	0.164	496	401	34.2	1720	1000 D
3 x 185 SM/25	0.164	313	287	57.2	3840	500 D
3 x 185 SM/50	0.164	313	287	58.3	4040	500 D
1 x 240 RM/25	0.125	579	479	36.6	1970	1000 D
3 x 240 SM/25	0.125	362	339	61.6	4560	500 D
3 x 240 SM/50	0.125	362	339	62.7	4750	500 D
1 x 300 RM/25	0.1	654	550	38.9	2190	1000 D
1 x 400 RM/35	0.0778	756	653	42.9	2640	1000 D
1 x 500 RM/35	0.0605	873	772	46.2	3080	500 D

Technical changes reserved. All figures are therefore without guarantee.

10.11.2022, 20:29