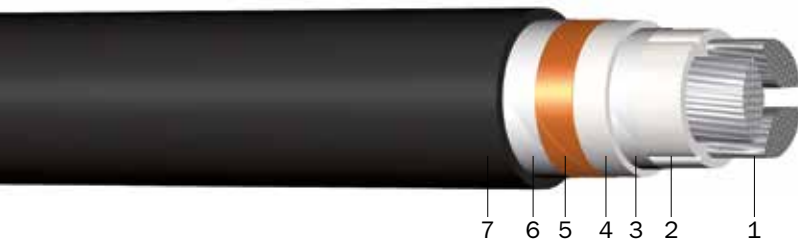


6-AYKCY

Screened underground cables with PVC insulation and sheath

DESIGN



- 1 | Aluminium conductor, round stranded compressed (RM) or sector-shaped stranded (SM)
- 2 | Core insulation (PVC)
- 3 | Inner covering (EPDM or plastic tape)
- 4 | Protection (colourless PVC)
- 5 | Screening (copper tape or copper wires with counterhelix (copper tape))
- 6 | Covering (plastic tape)
- 7 | Sheath (PVC black, UV-resistant)

TECHNICAL DATA



Standard:
TP PRAKAB 03/08



Rated voltage:
3.6/6 kV



Test voltage:
15 kV/50 Hz



Temperature range:
laying temperature: min. -5 °C
operating temperature: -30 °C up to +70 °C
short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
6 x Ø of cable for Ø < 20 mm
12 x Ø of cable for Ø 20 mm to 40 mm
15 x Ø of cable for Ø > 40 mm



Core identification:
all cores in natural colour



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
EZÚ Czech Republic

APPLICATION

The cables are designed for fixed power distribution in the ground or in the open air.

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground (A)	Current rating in the air (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
6-AYKCY						
1 x 35 RM/16	0.868	193	135	22.7	735	1,000 D
3 x 35 RE/16	0.868	123	101	38.3	2,050	1,000 D
1 x 50 RM/16	0.641	230	166	24.0	825	1,000 D
3 x 50 RE/16	0.641	145	121	40.8	2,370	1,000 D
1 x 70 RM/16	0.443	283	210	25.7	945	1,000 D
3 x 70 SM/16	0.443	180	155	43.3	2,040	1,000 D
3 x 70 SM/50	0.443	180	155	45.8	2,330	1,000 D
1 x 95 RM/16	0.320	340	259	28.4	1,160	1,000 D
3 x 95 SM/16	0.320	216	189	47.7	2,580	1,000 D
3 x 95 SM/50	0.320	216	189	50.2	2,870	1,000 D
1 x 120 RM/16	0.253	389	302	29.8	1,290	1,000 D
3 x 120 SM/16	0.253	246	220	49.8	2,910	1,000 D
3 x 120 SM/50	0.253	246	220	52.3	3,190	1,000 D
1 x 150 RM/25	0.206	436	345	32.5	1,550	1,000 D

6-AYKCY

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground (A)	Current rating in the air (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
6-AYKCY						
3 x 150 SM/25	0.206	276	249	54.4	3,380	1,000 D
3 x 150 SM/50	0.206	276	249	55.5	3,580	1,000 D
1 x 185 RM/25	0.164	496	401	34.2	1,720	1,000 D
3 x 185 SM/25	0.164	313	287	57.2	3,840	500 D
3 x 185 SM/50	0.164	313	287	58.3	4,040	500 D
1 x 240 RM/25	0.125	578	479	36.6	1,970	1,000 D
3 x 240 SM/25	0.125	362	339	61.6	4,560	500 D
3 x 240 SM/50	0.125	362	339	62.7	4,750	500 D
1 x 300 RM/25	0.100	654	550	38.9	2,190	1,000 D
1 x 400 RM/35	0.778	?	?	42.9	2,640	1,000 D
1 x 500 RM/35	0.061	?	?	46.2	3,080	500 D

Subject to technical changes.