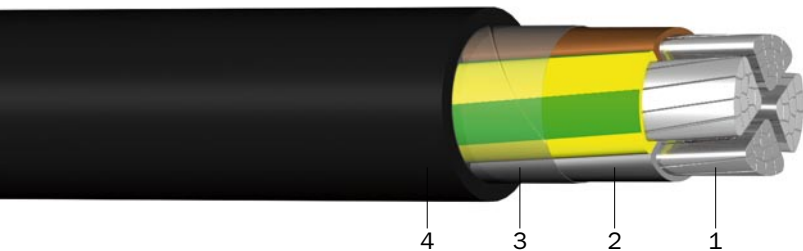


1–AYKY

Underground cable with PVC insulation and PVC sheath

DESIGN



- 1 | Aluminium 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

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – if no risk of any mechanical damage is to be expected.

TECHNICAL DATA

- Standard:** TP PRAKAB 02/08
- Rated voltage:** 0.6/1 kV
- Test voltage:** 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.):** 15 x Ø of cable
- Core identification:** HD 308 S2
- Fire properties:** flame retardant: EN 60332-1-2
- Certificate:** EZÚ Czech Republic, EVPÚ Slovak Republic,

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Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
1–AYKY						
4 x 25 RE	1.238	103	78	22.4	750	1,000 D
5 x 25 RE	1.238	103	78	24.4	880	1,000 D
3 x 35 + 25 RE/RE	0.885/1.238	125	96	24.7	910	1,000 D
4 x 35 RE	0.885	125	96	24.7	940	1,000 D
5 x 35 RE	0.885	125	96	27.1	1,110	1,000 D
3 x 50 + 35 RE/RE	0.641/0.885	147	117	28.9	1,220	1,000 D
4 x 50 RE	0.641	147	117	28.9	1,280	1,000 D
4 x 50 SM	0.641	147	117	30.4	1,090	1,000 D
4 x 70 RE	0.443	183	150	32.2	1,620	1,000 D
3 x 70 + 50 RE/RE	0.443/0.641	183	150	32.2	1,560	1,000 D
3 x 70 + 50 SM/RM	0.443/0.641	183	150	33.6	1,320	1,000 D
4 x 70 RM	0.443	183	150	35.4	1,820	1,000 D
4 x 70 SM	0.443	183	150	33.6	1,350	1,000 D
3 x 95 + 70 SM/RM	0.326/0.443	216	182	39.3	1,750	1,000 D

1-AYKY

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
1-AYKY						
4 x 95 SM	0.326	216	182	39.3	1,840	1,000 D
3 x 120 + 70 SM/RE	0.258/0.443	245	212	43.0	2,000	1,000 D
3 x 120 + 70 SM/RM	0.258/0.443	245	212	43.0	2,060	1,000 D
4 x 120 SM	0.258	245	212	43.0	2,230	1,000 D
3 x 150 + 70 SM/RE	0.206/0.443	278	245	46.8	2,420	500 D
3 x 150 + 70 SM/RM	0.206/0.443	278	245	46.8	2,460	500 D
4 x 150 SM	0.206	278	245	46.8	2,740	500 D
3 x 185 + 95 SM/RE	0.167/0.326	313	280	49.8	2,950	500 D
3 x 185 + 95 SM/RM	0.167/0.326	313	280	49.8	3,010	500 D
3 x 185 + 95 SM/SM	0.167/0.326	313	280	49.8	3,000	500 D
4 x 185 SM	0.167	313	280	49.8	3,370	500 D
3 x 240 + 120 SM/RE	0.129/0.258	359	330	56.4	3,730	500 D
3 x 240 + 120 SM/RM	0.129/0.258	359	330	56.4	3,810	500 D
4 x 240 SM	0.129	359	330	56.4	4,220	500 D

1) basic rated current acc. to TP PRAKAB 02/08
Subject to technical changes.