KONEKA

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MEDIUM VOLTAGE CABLES 10 – 30 KV

6-AYKCY

PVC/PVC aluminium underground medium voltage cable, screened

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

TECHNICAL DATA

Standard
TP PRAKAB 03/08

Certificate
EZÚ Czech Republic

Test Voltage
15 kV / 50 Hz

Rated Voltage
3,6/6 kV

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

Fire properties
ČSN EN 60332-1-2: self-extinguishing
CPR classification: Eca

Core identification
Natural cores colour

Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 70°C
Conductor temperature: max. 70°C
Short circuit temperature: max. 140°C

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)

Number of cores x nominal cross-section / cross-section of screen (mm²)	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)
3 x 25 RE / 16	1.2	103	83	36.2	1826
1 x 35 RM / 16	0.868	193	135	24.0	740
3 x 35 RE / 16	0.868	123	101	38.3	2064
1 x 50 RM / 16	0.641	230	166	25.2	815
3 x 50 RE / 16	0.641	145	121	40.7	2355
1 x 70 RM / 16	0.443	283	210	26.8	921
3 x 70 SM / 16	0.443	180	155	41.4	1942
1 x 95 RM / 16	0.32	340	259	28.8	1080
3 x 95 SM / 16	0.32	216	189	45.0	2402
1 x 120 RM / 16	0.253	389	302	30.9	1231
3 x 120 SM / 16	0.253	246	220	47.4	2748
1 x 150 RM / 16	0.206	436	345	32.4	1356
3 x 150 SM / 25	0.206	276	249	51.6	3205
1 x 185 RM / 25	0.164	496	401	34.2	1720
3 x 185 SM / 25	0.164	313	287	54.3	3683
1 x 240 RM / 25	0.125	579	479	37.6	1930
3 x 240 SM / 25	0.125	362	339	58.3	4319
1 x 300 RM / 25	0.1	654	550	38.7	2069
1 x 400 RM / 35	0.078	756	653	43.2	2515
1 x 500 RM / 35	0.061	873	772	45.6	2870

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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