



1-AYKY

PVC/PVC aluminium energy cables

ALUMINIUM 0.6/1 kV

The cables are designed for distribution of electrical energy in fixed installation in the ground, cable ducts and in the outdoor environment.



TECHNICAL DATA

 <p>Standard ČSN 34 7659-3P</p>	 <p>Rated Voltage 0,6/1 kV</p>	 <p>Core identification ČSN 33 0166 ed. 2</p>
 <p>Certificate EZÚ Czech Republic</p>	 <p>Bending radius (min.) 12 x for ϕ of cable (multicore)</p>	 <p>Temperature range Laying temperature: min. -5°C Operating temperature: -25°C up to 70°C Conductor temperature: max. 70°C Short circuit temperature: max. 160°C</p>
 <p>Test Voltage core/core 4 kV / 50 Hz</p>	 <p>Fire properties ČSN EN 60332-1-2: self-extinguishing CPR Classification: Eca</p>	

DESIGN



- 1 Aluminium conductor, round solid (RE), sector-shaped solid (SE), 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)

Number of cores x nominal cross-section (mm ²)	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)
4 x 10 RE	3,08	63	45	17,4	375
3 x 16 RE	1,91	81	61	18,0	485
4 x 16 RE	1,91	81	61	19,7	580
5 x 16 RE	1,91	56	46	21,6	655
4 x 25 RE	1,2	102	81	22,4	791
5 x 25 RE	1,2	71	57	24,4	880
3 x 35 + 25 RE/RE	0,868 / 1,20	122	99	24,7	910
4 x 35 RE	0,868	122	99	24,7	1008
4 x 35 RM	0,868	122	99	27,4	1074
5 x 35 RE	0,868	84	68	27,1	1110
3 x 50 RE/RE	0,641 / 0,868	144	119	28,9	1220
4 x 50 RE	0,641	144	119	30,4	1330
4 x 50 RM	0,641	144	119	28,9	1280
5 x 50 SM	0,641	99	82	29,5	1256
4 x 70 RE	0,443	179	152	33,6	1724
4 x 70 RM	0,443	179	152	35,7	1861
5 x 70 SM	0,443	126	107	34,9	1684
3 x 95 + 50 SM/RM	0,32 / 0,641	215	186	36,6	1633
3 x 95 + 70 SM/RM	0,32 / 0,443	215	186	39,3	1750
4 x 95 SM	0,32	215	186	36,4	1805
5 x 95 SM	0,32	151	131	38,6	2212
3 x 120 + 70 SM/RE	0,253 / 0,443	245	216	39,6	1954
3 x 120 + 70 SM/RM	0,253 / 0,443	245	216	39,6	1965
4 x 120 SM	0,253	245	216	40,1	2230
5 x 120 SM	0,253	171	151	43,4	2654
3 x 150 + 70 SM/RM	0,206 / 0,443	275	246	44,1	2322
3 x 150 + 95 SM/RM	0,206 / 0,320	275	246	44,1	2416
4 x 150 SM	0,206	275	246	44,1	2614
5 x 150 SM	0,206	193	173	48,4	3308
3 x 185 SM	0,164	313	285	41,6	2458
3 x 185 + 95 SM/RM	0,164 / 0,320	313	285	49,8	2980
3 x 185 + 95 SM/SM	0,164 / 0,320	313	285	44,4	2850
4 x 185 SM	0,164	313	285	49,8	3307
5 x 185 SM	0,164	216	197	54,4	4089
3 x 240 SM	0,125	364	338	47,2	3202
3 x 240 + 120 SM/RM	0,125 / 0,253	364	338	55,4	3723
3 x 240 + 120 SM/SM	0,125 / 0,253	364	338	52,4	3687
4 x 240 SM	0,125	364	338	56,4	4183
5 x 240 SM	0,125	253	235	64,8	5362

CONTACT PERSON

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