



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



Standard
ČSN 34 7659-3P



Rated Voltage
0,6/1 kV



Core identification
ČSN 33 0166 ed. 2



Certificate
EZÚ Czech Republic



Bending radius (min.)
12 x for ϕ of cable (multicore)



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

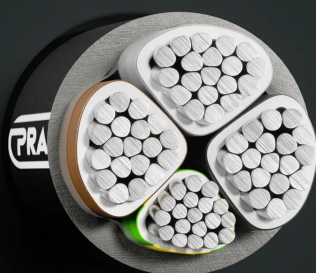


Test Voltage
core/core 4 kV / 50 Hz



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

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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