

LOW VOLTAGE CABLES 0,6/1 kV

PRAFlaSafe+ AX RAL 9005

1-AXKH-R B2ca s1a d1 a1
XLPE/FRNC aluminium energy cable, halogen-
free, UV resistant, Water resistant



TECHNICAL DATA



Standard
TP PRAKAB 01/21



Certificate
EZÚ Czech Republic



Test Voltage
core/core 4 kV / 50 Hz



Rated Voltage
0,6/1 kV



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



Fire properties
ČSN EN 60332-1-2: self-extinguishing
ČSN EN 60754-2: halogen-free, non-corrosive
combustion gases
ČSN EN 61034-2: low smoke emission
ČSN EN 60332-3-22: reduced flame
propagation
ČSN EN 13501-6: fire classification
CPR Clasification: B2ca s1a d1 a1



Core identification
ČSN 33 0166 ed. 2



Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 60°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 250°C

DESIGN



1 Aluminium conductor, round solid (RE), sector-shaped solid (SE), round stranded (RM), resp. sector-shaped stranded (SM)



2 Core insulation (XLPE)



3 Inner covering (halogen-free tape and halogen free polymer compound)



4 Sheath (halogen-free polymer compound, black RAL 9005, UV resistant, Water resistant)

PARAMETERS

XLPE/FRNC aluminium energy cable, halogen-free, UV resistant, Water resistant

Number of cores x nominal cross-section (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)
4 x 16 RE	1.91	108	76	18.2	438
5 x 16 RE	1.91	109	79	20.1	525
4 x 25 RM	1.2	138	103	23.7	719
5 x 25 RM	1.2	139	106	27.3	947
4 x 35 RE	0.868	165	127	26.2	937
5 x 35 RM	0.868	168	132	30.0	1168
1 x 50 RM	0.641	320	214	16.3	349
4 x 50 SE	0.641	197	156	26.0	948
4 x 50 SM	0.641	197	156	28.3	1025
5 x 50 RM	0.641	199	161	34.6	1559
5 x 50 SM	0.641	199	161	29.3	1211
1 x 70 RM	0.443	392	261	18.1	438
4 x 70 SM	0.443	260	212	32.1	1402
5 x 70 RM	0.443	243	204	39.7	2081
5 x 70 SM	0.443	243	204	35.7	1718
1 x 95 RM	0.32	472	331	19.9	540
3 x 95 SM	0.32	307	251	32.3	1415
4 x 95 SM	0.32	312	263	36.5	1794
5 x 95 RM	0.32	293	252	45.2	2753
5 x 95 SM	0.32	293	252	38.5	2163
1 x 120 RM	0.253	538	385	21.6	648
4 x 120 SM	0.253	356	308	39.9	2180
5 x 120 SM	0.253	333	294	44.5	2740
1 x 150 RM	0.206	599	440	23.4	762
3 x 150 SM	0.206	391	338	38.8	2033
4 x 150 SE	0.206	368	325	41.3	2506
4 x 150 SM	0.206	368	325	45.4	2714
5 x 150 SM	0.206	406	372	48.9	3294
1 x 185 RM	0.164	675	508	25.7	922
4 x 185 SM	0.164	415	375	50.4	3314
5 x 185 SM	0.164	420	387	55.3	4119
1 x 240 RM	0.125	786	606	28.3	1131
4 x 240 SM	0.125	483	447	56.1	4194
5 x 240 SM	0.125	488	462	65.2	5302
1 x 300 RM	0.1	890	701	30.8	1346
1 x 400 RM	0.078	1024	830	34.6	1673
1 x 500 RM	0.061	1171	972	38.0	2073



CONTACT PERSON

Ing. Štěpán Laštůvka
Product Supervisor
+420 732 912 682
stepan.lastuvka@prakab.com

