We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 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

Cables are designed for fixed distribution of electricity in dry or damp environment, on or under plaster, on cable trays, same as in walls and concrete. Suitable for laying in ground and for outdoor application can be laid in tubes, when accumulation of water in the tube is prevented. Suitable for supply systems in an emergency, buildings with high concetration of people to protect them and protect the technical equipment of buildings in event of fire, where there is no requirement to maintain functionality of the cable instalation in fire. In case of fire, the cable release a small amount of heath and smoke. The cables are resistant to UV radiation and water AD1-AD7

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 Ø of cable (singlecore)
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
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)

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

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

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