



## AXMK

Power cable 0,6/1 kV with Al conductors, XLPE insulated and PVC sheathed

### APPLICATION

In earth, ducts, on support brackets, in dry and wet conditions etc., where one does not expect mechanical damages and the cables are not exposed to the mechanical tensile strain. In urban networks, industrial plants, electric power plants and other electricity consumers and for connection of control devices in industry, traffic etc.

### CONSTRUCTION

**Conductors:** Al, class 1 or class 2 according to EN 60228, annealed

**Insulation:** XLPE compound

**Bedding:** Extruded elastomere or plastomere compound or plastic tape

**Sheath:** PVC compound, UV resistant, black or by customer request

### CORE IDENTIFICATION

According to HD 308 S2

**Insulation Color:**

3-core (a): ● Green/Yellow ● Brown ● Blue

3-core (b): ● Black ● Brown ● Grey

4-core (a): ● Green/Yellow ● Brown ● Black ● Grey

4-core (b): ● Blue ● Brown ● Black ● Grey

5-core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

**Outer Sheath Colour:**

● Black

*Other colours available on request*

### TECHNICAL CHARACTERISTICS

CPR class: Eca

Test voltage: 4 kV

Rated voltage: 0,6/1/1,2 kV

Bending radius (min): multicore- 10D

Min. laying temperature: -15°C

Max. conductor temperature: 90°C

Max. short-circuit temperature: 250°C

Environment working temp: -35°C - +35°C

### STANDARD

HD 603 S1, SFS 4879

### CERTIFICATION



NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	MAX. RESISTANCE AT 20°C	NOM. THICKNESS OF INSULATION	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm <sup>2</sup>		Ω/km		A	A	mm	kg/km	kg/km
1x16	RE	1,910	0,7	-	-	9,5	46	122
1x25	RE	1,200	0,9	106	114	11,9	73	175
1x35	RM	0,868	0,9	130	136	13	102	206
1x50	RM	0,641	1	161	162	14,9	145	267
1x70	RM	0,443	1,1	204	199	17	203	358
1x95	RM	0,320	1,1	252	238	18,9	276	451
1x120	RM	0,253	1,2	295	272	20,7	348	546
1x150	RM	0,206	1,4	339	305	22,7	435	655
1x185	RM	0,164	1,6	395	347	25,1	537	800
1x240	RM	0,125	1,7	472	404	27,6	696	987
1x300	RM	0,100	1,8	547	457	31,9	870	1324
1x400	RM	0,0778	2	643	525	34,9	1160	1640
1x500	RM	0,0605	2,2	754	601	39,3	1450	2030
1x630	RM	0,0469	2,4	882	687	44,1	1827	2400
1x800	RM	0,0367	2,6	1080	1300	49	2320	2974
1x1000	RM	0,0291	2,8	1145	1490	54	2900	3315
4x16	RE	1,910	0,7	78	-	18,3	185	596
4x25	SM	1,200	0,9	100	-	21,1	290	509
4x35	SM	0,868	0,9	111	134	23,4	406	653
4x50	SM	0,641	1	136	165	26,4	580	832
4x70	SM	0,443	1,1	176	214	30,4	812	1118
4x95	SM	0,320	1,1	215	263	34,1	1102	1465
4x120	SM	0,253	1,2	251	308	38,1	1392	1837
4x150	SM	0,206	1,4	290	357	42,1	1740	2250
4x185	SM	0,164	1,6	334	411	46,6	2146	2807
4x240	SM	0,125	1,7	397	490	52,2	2784	3603
4x300	SM	0,100	1,8	460	569	55,9	3480	4223
5x10	RE	3,08	0,7	-	-	17,8	145	422
5x16	RE	1,91	0,7	78	-	20	232	544
5x25	SM	1,200	0,9	102	112	22,9	363	606
5x35	SM	0,868	0,9	111	135	25,7	507,8	807
5x50	SM	0,641	1	136	165	30,1	725	1032
5x70	SM	0,443	1,1	176	214	35,1	1015	1404
5x95	SM	0,320	1,1	215	263	38,1	1380	1800
5x120	SM	0,253	1,2	273	268	40,3	1740	2320
5x150	SM	0,206	1,4	290	357	47,4	2175	2900
5x185	SM	0,164	1,6	334	411	52,7	2682,5	3352,5
5x240	SM	0,125	1,7	397	490	59,4	3480	4350