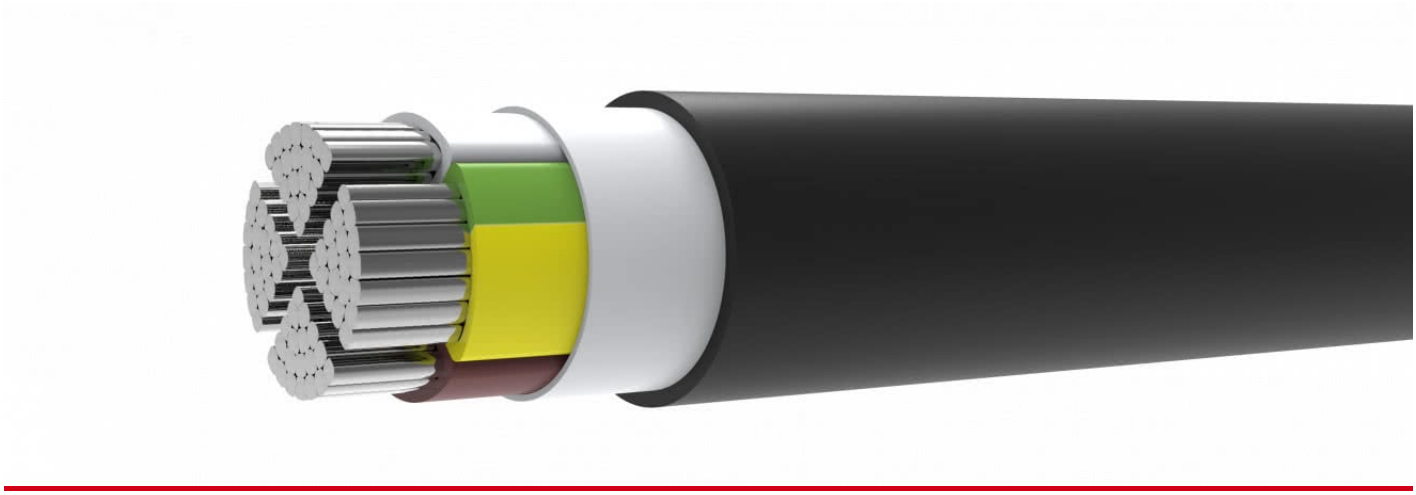
AXMK-PE

LV (0,6/1 kV) power cables with XLPE insulation and PE sheath



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.

CERTIFICATES

CONSTRUCTION

Sheath
PE compound
Bedding
Extruded elastomere or plastomere compound or plastic tape
Conductors
Al conductor
Insulation
XLPE compound

TEHNICAL CHARACTERISTICS

Standard
HD 603 S1, SFS 4879
CPR class
Fca
Test voltage
4 kV
Rated voltage
0,6/1 kV
Max.bending radius
Single-core 15D; multi-core 12D
Core identification
Acc. to HD 308 S2
Min.laying temperature
-15°C
Max.operating temperature
+90°C
Max.short-circuit temperature
+250°C

Nominal cross-section	Conductor construction	Max. Resistance at 20°C	Current capacity in air	Current capacity in earth	Outer diam. (approx.)
mm2		Ω/km	A	A	mm
1x16	RE	1,910	-	-	9,5
1x25	RE	1,200	106	114	11,0
1x35	RM	0,868	130	136	12,1
1x50	RM	0,641	161	162	13,6
1x70	RM	0,443	204	199	15,2
1x95	RM	0,320	252	238	16,8
1x120	RM	0,253	295	272	18,4
1x150	RM	0,206	339	305	20,2
1x185	RM	0,164	395	347	22,1
1x240	RM	0,125	472	404	24,5
1x300	RM	1,80	547	457	26,7
4x16	RE	1,910	-	-	18,3
4x25	SM	1,200	102	112	21,1
4x35	SM	0,868	126	135	23,4
4x50	SM	0,641	149	158	26,4
4x70	SM	0,443	191	196	30,4
4x95	SM	0,320	234	234	34,1
4x120	SM	0,253	273	268	38,1
4x150	SM	0,206	311	300	42,1
4x185	SM	0,164	360	342	46,6
4x240	SM	0,125	427	398	52,2
4x300	SM	0,100	507	457	55,9
5x10	RE	3,080	-	-	17,8
5x16	RE	1,910	-	-	20,0
5x25	SM	1,200	102	112	22,9
5x35	SM	0,868	126	135	25,7
5x50	SM	0,641	149	158	30,1
5x70	SM	0,443	191	196	35,1
5x95	SM	0,320	234	234	38,1
5x120	SM	0,253	273	268	40,3
5x150	SM	0,206	311	300	47,4
5x185	SM	0,164	360	342	52,7
5x240	SM	0,125	427	398	59,4

***Permissible current rating values are according to:**
- three-phase circut
- laying depth of 0,8m for buried cables
K=1 - resistivity of the ground equal to 1,0K-m/W
K=1,5 - resistivity of the ground equal to 1,5K-m/W