ttcables
ELECTRIC CABLE WORKS

AXMK-PE

Power cable 0,6/1 kV with Al conductors, XLPE insulated and PE 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: PE 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: Fca
Test voltage: 4 Kv
Rated voltage: 0,6/1 kV
Bending radius (min): multicore- 10D
Min. laying temperature: -15°C
Max. conductor temperature: 90°C
Max. short-circuit temperature: 250°C
Enviroment working temp.: -35°C do +35°C

STANDARD

HD 603 S1, SFS 4879

CERTIFICATION

CE
IEC International Electrotechnical Commission
REACH COMPLIANT
RoHS compliant
SGS FI

NOMINAL CROSS-SEC-TION	CONDUCTOR CONSTRUCTION	MAX. RESIS-TANCE AT 20°c	NOM. THICKNESS OF INSULATION	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm2		Ω/km		A	A	mm	kg/km	kg/km
1x16	RE	1,910	0,70	-	-	9,5	46	122
1x25	RE	1,200	0,90	106	114	11,9	73	175
1x35	RM	0,868	0,90	130	136	13,0	102	206
1x50	RM	0,641	1,00	161	162	14,9	145	267
1x70	RM	0,443	1,10	204	199	17,0	203	358
1x95	RM	0,320	1,10	252	238	18,9	276	451
1x120	RM	0,253	1,20	295	272	20,7	348	546
1x150	RM	0,206	1,40	339	305	22,7	435	655
1x185	RM	0,164	1,60	395	347	25,1	537	800
1x240	RM	0,125	1,70	472	404	27,6	696	987
1x300	RM	0,100	1,80	547	457	31,9	870	1324
4x16	RE	1,910	0,70	62	78	18,3	185	596
4x25	SM	1,200	0,90	72	100	21,1	290	509
4x35	SM	0,868	0,90	95	125	23,4	406	653
4x50	SM	0,641	1,00	117	150	26,4	580	832
4x70	SM	0,443	1,10	148	185	30,4	812	1118
4x95	SM	0,320	1,10	180	220	34,1	1102	1465
4x120	SM	0,253	1,20	209	255	38,1	1392	1837
4x150	SM	0,206	1,40	240	280	42,1	1740	2250
4x185	SM	0,164	1,60	274	330	46,6	2146	2807
4x240	SM	0,125	1,70	323	375	52,2	2784	3603
4x300	SM	0,100	1,80	372	430	55,9	3480	4223
5x10	RE	3,080	0,70	-	-	17,8	145	422
5x16	RE	1,910	0,70	62	78	20,0	232	544
5x25	SM	1,200	0,90	72	100	22,9	363	606
5x35	SM	0,868	0,90	95	125	25,7	507,8	807
5x50	SM	0,641	1,00	117	150	30,1	725	1032
5x70	SM	0,443	1,10	148	185	35,1	1015	1404
5x95	SM	0,320	1,10	180	220	38,1	1380	1800
5x120	SM	0,253	1,20	209	255	40,3	1740	2320
5x150	SM	0,206	1,40	240	280	47,4	2175	2900
5x185	SM	0,164	1,60	274	330	52,7	2682,5	3353
5x240	SM	0,125	1,70	323	375	59,4	3480	4350