



Power cables rated voltage 0,6/1 kV

AXMK, AXMK-PE

Standrad: IEC 60502-1, HD-603

Application:



Power cables suitable for laying in buildings, power stations, in open air, in ground, in cable trays and ducts where mechanical damages are not expected. Suitable for plough cabling.

Cable construction:

Conductor:	Aluminum acc. EN 60228 Class 1 - RE (solid, round) Class 2 - RMC (stranded, round, compacted) Class 2 - SM (stranded, shaped) FLEX - for annealed cores upon request
Insulation:	Weather-resistant XLPE
Core identification:	Colour coded to HD 603 clause 4
Inner covering:	Plastic tape
Cover:	PVC sheath black color (for AXMK) or Weather-resistant PE (for AXMK-PE)

Technical parameters:

Rated voltage:	0,6/1 kV	Testing voltage:	4 kV
Frequency:	50 Hz	Operating conductor temperature:	90 °C
Exploitation temperature range:	-50 - +50 °C	Short-circuit temperature:	250 °C
Installation temperature:	not below -15 °C	Fire properties:	not flame-resistant
Cabling:	inside/outside	Bending radius:	12D (15D for single-core)

Standard packing and length:

Wooden or metal reels. Packing according to customer requirements available.

Cable size	Nominal thickness of insulation mm	Nominal thickness of sheath mm	Approximate overall diameter mm	Maximum resistance of conductor at 20C Ohm/km	Approximate net weight kg
1 * 35 RMC	0,9	1,8	12,49	0,8680	210
1 * 50 RMC	1,0	1,8	13,74	0,6410	260
1 * 70 RMC	1,1	1,8	15,54	0,4430	340
1 * 95 RMC	1,1	1,8	17,34	0,3200	430
1 * 120 RMC	1,2	1,8	18,94	0,2530	520
1 * 150 RMC	1,4	1,8	20,64	0,2060	630
1 * 185 RMC	1,6	1,8	23,24	0,1640	770
1 * 240 RMC	1,7	1,8	25,74	0,1250	960
1 * 300 RMC	1,8	1,8	27,64	0,1000	1 150
1 * 400 RMC	2,0	2,0	31,24	0,0778	1 470
1 * 500 RMC	2,2	2,1	34,54	0,0605	1 840
1 * 800 RMC	2,6	2,3	43,24	0,0367	2 920
1 * 1000 RMC	2,8	2,5	48,74	0,0291	3 730

4 *	16	RE	0,7	1,8	17,82	1,9100	420
4 *	25	SM	0,9	1,8	20,28	1,2000	530
4 *	35	SM	0,9	1,8	22,33	0,8680	670
4 *	50	SM	1,0	1,9	25,83	0,6410	870
4 *	70	SM	1,1	2,0	29,71	0,4430	1 200
4 *	95	SM	1,1	2,1	33,54	0,3200	1 560
4 *	120	SM	1,2	2,3	37,82	0,2530	1 950
4 *	150	SM	1,4	2,4	42,21	0,2060	2 430
4 *	185	SM	1,6	2,6	46,38	0,1640	3 000
4 *	240	SM	1,7	2,8	52,29	0,1250	3 810
4 *	300	SM	1,8	3,1	60,90	0,1000	4 530
5 *	10	RE	0,7	1,8	16,86	3,0800	320
5 *	16	RE	0,7	1,8	19,43	1,9100	440
5 *	25	SM	0,9	1,8	23,01	1,2000	650
5 *	35	SM	0,9	1,8	25,01	0,8680	810
5 *	50	SM	1,0	1,9	28,45	0,6410	1 060
5 *	70	SM	1,1	2,0	33,09	0,4430	1 450
5 *	95	SM	1,1	2,2	37,49	0,3200	1 910
5 *	120	SM	1,2	2,3	41,63	0,2530	2 370
5 *	150	SM	1,4	2,4	45,91	0,2060	2 890
5 *	185	SM	1,6	2,7	52,80	0,1640	3 685
5 *	240	SM	1,7	2,8	58,14	0,1250	4 640