



# AMCMK

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

## APPLICATION

Distribution power cable for static outdoor application (with protection against direct UV-irradiation), in ground, within facilities, in cable canals, in concrete, in conditions where there is a danger of possible mechanical damages, but where the cable is not exposed either to systematic mechanical stress or heavier tensile strain. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and other electric plants. Concentric conductor can be used as neutral, protective or earth connection, and in situations where the insulation might be roughly damaged by some metal object, it acts as protection against contact voltage. Corrugated, concentric conductor construction enables establishing of several cable connections without cutting of conductor.

## CONSTRUCTION

**Conductors:** Al, class 1 or 2 according to EN 60228  
**Insulation:** PVC compound, type DIV 6  
**Bedding:** Extruded elastomere or plastomere compound or plastic tape  
**Concentric conductor:** Cu wires with counter helix of Cu tape  
**Sheath:** PVC compound, type DMV 9

## 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 kV  
 Bending radius (min): single-core – 15D;  
 multicore- 12D  
 Min. laying temperature: -10°C  
 Max. conductor temperature: 70°C  
 Max. short-circuit temperature: 160°C

## STANDARD

SFS 4880, HD 603 S1, p.3F

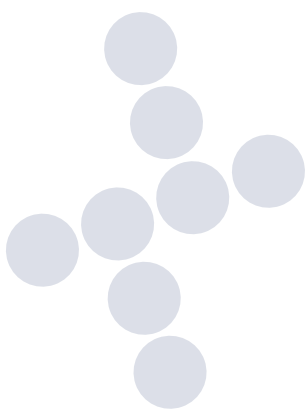
## CERTIFICATION



International  
 Electrotechnical  
 Commission



NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	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
3x16/10	RM	1,910	62	78	20,3	139,2	443
3x25/16	SM	1,200	77	100	23,9	217,5	632
3x35 /16	SM	0,868	95	125	25,3	304,5	711
3x50/16	SM	0,641	117	150	28,3	435,0	896
3x70/21	SM	0,443	148	185	31,5	609,0	1173
3x95/29	SM	0,320	180	220	35,8	826,5	1566
3x120/41	SM	0,253	209	255	38,5	1044,0	1955
3x150/41	SM	0,206	240	280	42,4	1305,0	2310
3x185/57	SM	0,164	274	330	47,5	1609,5	2905
3x240/72	SM	0,125	323	375	53,1	2088,0	3692
3x300/150	SM	0,100	372	430	58,4	2610,0	4540
3x16/10	RM	1,910	62	78	22,7	185,6	525
3x25/16	SM	1,200	77	100	26,6	290,0	752
4x35 /16	SM	0,868	95	125	28,8	406,0	842
4x50/16	SM	0,641	117	150	23,5	580,0	1093
4x70/21	SM	0,443	148	185	36,1	812,0	1434
4x95/29	SM	0,320	180	220	41,0	1102,0	1914
4x120/41	SM	0,253	209	255	44,5	1392,0	2387
4x150/41	SM	0,206	240	280	48,6	1740,0	2855
4x185/87	SM	0,164	274	330	53,2	2146,0	3531
4x240/72	SM	0,125	323	375	59,7	2784,0	4525
4x300/150	SM	0,100	372	430	65,5	3480,0	5565



ttcables