



# 1-AYKY

Power cable 0,6/1 kV with Al conductors, PVC insulated and 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 2 according to EN 60228

**Insulation:** PVC compound DIV 1

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

**Sheath:** PVC compound DMV 1

## 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): multicore- 12D

Min. laying temperature: -5°C

Max. conductor temperature: 70°C

Max. short-circuit temperature: 160°C

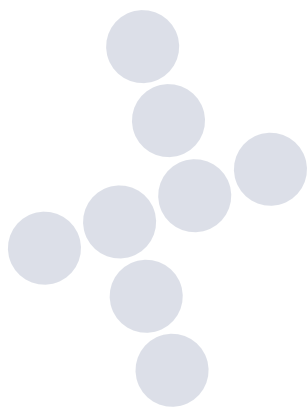
## STANDARD

PNE 34 7659-3, HD 603 S1

## CERTIFICATION



NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	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
4x10	RE	3,080	-	-	19,1	116	390
4x16	RM/RE	1,910	-	-	22,0	185,6	540
4x25	RM/RE	1,200	82	102	27,8	290	770
4x35	RM/RE	0,868	100	123	30,5	406	970
4x50	RE/SE	0,641	119	144	29,9	580	1250
4x70	RE/SE	0,443	152	179	33,2	812	1700
3x95+50	SM/RM(SM)	0,320/0,641	186	215	38,5	971,5	1950
3x95+70	SM/RE	0,320/0,443	186	215	38,5	1029,5	2200
4x95	SM	0,320	186	215	40,0	1102	2300
3x120+50	SM/RM(SM)	0,253/0,641	216	245	41,0	1189	2450
3x120+70	SM/RE(RM)	0,253/0,443	216	245	43,0	1247	2600
3x120+70	SM/SM	0,253/0,443	216	245	40,0	1247	2600
4x120	SM	0,253	216	245	43,0	1392	2750
3x150+70	SM/RE(RM)	0,206/0,443	246	275	46,0	1508	2900
3x150+70	SM/SM	0,206/0,443	246	275	45,5	1508	2950
4x150	SM	0,206	246	275	48,0	1740	3200
3x185+95	SM/RM	0,164/0,320	285	313	50,5	1885	3600
3x185+95	SM/SM	0,164/0,320	285	313	49,5	1885	3600
4x185	SM	0,164	285	313	52,5	2146	3900
3x240+120	SM/RM	0,125/0,253	338	364	58,0	2436	4600
3x240+120	SM/SM	0,125/0,253	338	364	57,0	2436	4600
4x240	SM	0,125	338	364	60,0	2784	5000



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