



# NAYY SE

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.

## TECHNICAL CHARACTERISTICS

CPR class: Eca  
 Rated voltage: 0,6/1 kV  
 Bending radius (min): single-core – 15D;  
 multicore- 12D  
 Min. laying temperature: -5°C  
 Max. conductor temperature: 70°C  
 Max. short-circuit temperature: 160°C

## CONSTRUCTION

Conductors: Al, class 1 according to EN 60228  
 Insulation: PVC compound DIV 4  
 Bedding: Extruded elastomere or plastomere compound or plastic tape  
 Sheath: PVC compound DMV 5

## STANDARD

VDE 0276-603,  
 HD 603 S1,  
 IEC 60502-1

## CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

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*

## CERTIFICATION



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
4x35	SE	0,868	100	123	28,0	406	690
4x50	SE	0,641	119	144	30,0	580	832
4x70	SE	0,443	152	179	35,0	812	1147
4x95	SE	0,320	186	215	39,0	1102	1460
4x120	SE	0,253	216	245	41,0	1392	1861
4x150	SE	0,206	246	275	45,0	1740	2318
4x185	SE	0,164	285	313	49,0	2146	2866
4x240	SE	0,125	338	364	55,0	2784	3616
4x300	SE	0,100	400	419	59,0	3480	4500

