

# NYCY PVC PVC 0.6/1kV Power Cable



Eland Product Group: A9N

## APPLICATION

For use indoors, in cable ducts, outdoors and in ground for power plants, industrial plants, as well as in local power networks, if increased electrical protection is required.

## CHARACTERISTICS

**Voltage Rating** U<sub>o</sub>/U  
0.6/1kV

**Temperature Rating**

Fixed: -20°C to +70°C  
Flexed: -5°C to +70°C

**Minimum Bending Radius**

15 x overall diameter

## CONSTRUCTION

**Conductor**

RE: Class 1 solid copper conductor

**Insulation**

PVC (Polyvinyl Chloride)

**Binding Tape**

PVC (Polyvinyl Chloride)

**Concentric Conductor**

Copper wires and copper tape

**Sheath**

PVC (Polyvinyl Chloride)

**Core Identification**

- 2 core: ● Brown ● Blue
- 3 core: ● Brown ● Black ● Grey
- 4 core: ● Brown ● Black ● Grey ● Blue
- 5 core: ● Brown ● Black ● Grey ● Blue ● Black
- 7 core and above: ● Black with ○ White numbers

**Sheath Colour**

- Black

## STANDARDS

VDE part 603, VDE Part 627

Flame Retardant according to IEC/EN 60332-1-2

## ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



## REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONDUCTOR TYPE	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A9NYCY0110	1	10/10	RE	11	280
A9NYCY0116	1	16/16	RE	12	440
A9NYCY02015	2	1.5/1.5	RE	13	200
A9NYCY02025	2	2.5/2.5	RE	13.6	260
A9NYCY02040	2	4/4	RE	15.5	360
A9NYCY02060	2	6/6	RE	17	435
A9NYCY0210	2	10/10	RE	18.5	520
A9NYCY0216	2	16/16	RE	20.5	720
A9NYCY03015	3	1.5/1.5	RE	13.2	220
A9NYCY03025	3	2.5/2.5	RE	14.2	280
A9NYCY03040	3	4/4	RE	16.3	390
A9NYCY03060	3	6/6	RE	17.3	500
A9NYCY0310	3	10/10	RE	20	680
A9NYCY0316	3	16/16	RE	23	1010
A9NYCY04015	4	1.5/1.5	RE	14.2	250
A9NYCY04025	4	2.5/2.5	RE	15.3	340
A9NYCY04040	4	4/4	RE	17.3	460
A9NYCY04060	4	6/6	RE	18.5	580
A9NYCY0410	4	10/10	RE	21	765
A9NYCY0416	4	16/16	RE	23	1060
A9NYCY05015	5	1.5/1.5	RE	15	330
A9NYCY05025	5	2.5/2.5	RE	16	400
A9NYCY05040	5	4/4	RE	19	550
A9NYCY05060	5	6/6	RE	21	700
A9NYCY0510	5	10/10	RE	23	1000
A9NYCY07015	7	1.5/1.5	RE	15	320
A9NYCY07015/25	7	1.5/2.5	RE	15.3	350
A9NYCY07025	7	2.5/2.5	RE	17.5	450
A9NYCY07040	7	4/4	RE	20	600
A9NYCY07060	7	6/6	RE	22.5	790
A9NYCY08015	8	1.5/1.5	RE	18.4	410
A9NYCY08015/25	8	1.5/2.5	RE	17	400
A9NYCY08025	8	2.5/2.5	RE	18	510
A9NYCY10015/25	10	1.5/2.5	RE	18.4	410
A9NYCY10025/40	10	2.5/4	RE	20.5	600
A9NYCY12015/25	12	1.5/2.5	RE	19.4	470
A9NYCY12025/40	12	2.5/4	RE	20.5	660
A9NYCY14015/25	14	1.5/2.5	RE	20.5	520
A9NYCY14025/40	14	2.5/4	RE	21.5	760
A9NYCY14025/60	14	2.5/6	RE	22.5	800
A9NYCY16015/40	16	1.5/4	RE	20	620
A9NYCY16025/60	16	2.5/6	RE	22.5	800
A9NYCY19015/40	19	1.5/4	RE	22.5	660
A9NYCY19025/60	19	2.5/6	RE	23.5	950
A9NYCY21015/60	21	1.5/6	RE	23	790
A9NYCY21025/10	21	2.5/10	RE	26	1100



Click here for more information:  
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A9NYCY24015/60	24	1.5/6	RE	25.5	860
A9NYCY24025/10	24	2.5/10	RE	27.6	1150
A9NYCY30015/60	30	1.5/6	RE	26.5	1020
A9NYCY30025/10	30	2.5/10	RE	29.5	1610
A9NYCY40015/10	40	1.5/10	RE	30	1280
A9NYCY40025/10	40	2.5/10	RE	33	1660
A9NYCY52015/10	52	1.5/10	RE	32	1600
A9NYCY52025/10	52	2.5/10	RE	35	2000
A9NYCY61015/10	61	1.5/10	RE	33	2000
A9NYCY61025/10	61	2.5/10	RE	36	2280

## CONDUCTORS

### Class 1 Solid Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C	
	Circular, Annealed Copper Conductors	
	Plain Wires ohms/km	
1.5	1 2.1	
2.5	7.41	
4	4.61	
6	3.08	
10	1.83	
16	1.15	

## ELECTRICAL CHARACTERISTICS

### Current Carrying Capacity

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CURRENT CARRYING CAPACITY Amps	
	In Ground At 20°C	In Air At 30°C
	1.5	27
2.5	36	26
4	47	34
6	59	44
10	79	60
16	102	80

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.