

NYCY PVC PVC 0.6/1kV Power Cable



Eland Product Group: A9N

APPLICATION

For use indoors, in cable ducts, outdoors, in water, in concrete 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_o/U
0.6/1kV

Test Voltage
4kV

Temperature Rating

Maximum conductor operating temperature: 70°C
Fixed: 70°C
Moved: -5°C to +70°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
RE: Class 1 solid bare copper

Insulation
PVC (Polyvinyl Chloride) type DIV 4

Concentric Conductor
Copper wires and copper tape

Sheath
PVC (Polyvinyl Chloride) type DMV5

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 0276-603, VDE 0276-627 (≥ 5 cores)
Flame Retardant: VDE 0482-332-1-2/IEC 60332-1-2
UV Resistant
HD 308

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



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, the RoHS Directive 2015/85/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].



DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR TYPE	NOMINAL INSULATION WALL THICKNESS mm	NOMINAL SHEATH WALL THICKNESS mm	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
A9NYCY01060	1	6/6	RE	1	1.8	10.2	201
A9NYCY02015	2	1.5/1.5	RE	0.8	1.8	13	200
A9NYCY02025	2	2.5/2.5	RE	0.8	1.8	13.6	260
A9NYCY02040	2	4/4	RE	1	1.8	15.4	350
A9NYCY02060	2	6/6	RE	1	1.8	16.9	430
A9NYCY0210	2	10/10	RE	1	1.8	18.5	520
A9NYCY0216	2	16/16	RE	1	1.8	20.5	720
A9NYCY03015	3	1.5/1.5	RE	0.8	1.8	13.2	220
A9NYCY03025	3	2.5/2.5	RE	0.8	1.8	14.2	280
A9NYCY03025/10	3	2.5/10	RE	0.8	1.8	14.4	359
A9NYCY03040	3	4/4	RE	1	1.8	16.3	390
A9NYCY03060	3	6/6	RE	1	1.8	17.3	500
A9NYCY0310	3	10/10	RE	1	1.8	20	680
A9NYCY0316	3	16/16	RE	1	1.8	23	1010
A9NYCY04015	4	1.5/1.5	RE	0.8	1.8	14.2	250
A9NYCY04025	4	2.5/2.5	RE	0.8	1.8	15.3	340
A9NYCY04040	4	4/4	RE	1	1.8	17.3	460
A9NYCY04060	4	6/6	RE	1	1.8	18.4	580
A9NYCY0410	4	10/10	RE	1	1.8	21	765
A9NYCY0416	4	16/16	RE	1	1.8	23	1060
A9NYCY05015	5	1.5/1.5	RE	0.8	1.8	15	330
A9NYCY05025	5	2.5/2.5	RE	0.8	1.8	16	400
A9NYCY05040	5	4/4	RE	1	1.8	19	550
A9NYCY05060	5	6/6	RE	1	1.8	21	700
A9NYCY07015/25	7	1.5/2.5	RE	0.8	1.8	15.3	350
A9NYCY07025	7	2.5/2.5	RE	0.8	1.8	17.4	450
A9NYCY07040	7	4/4	RE	1	1.8	20	600
A9NYCY07060	7	6/6	RE	1	1.8	22.5	790
A9NYCY07010	7	10/10	RE	1	1.8	25	1320
A9NYCY08040	8	4/4	RE	1	1.8	20	770
A9NYCY10015/25	10	1.5/2.5	RE	0.8	1.8	18.4	410
A9NYCY10025/40	10	2.5/4	RE	1	1.8	20.4	600
A9NYCY10040/60	10	4/6	RE	0.8	1.8	23.5	900
A9NYCY12015/25	12	1.5/2.5	RE	0.8	1.8	19.4	470
A9NYCY12025/40	12	2.5/4	RE	0.8	1.8	20.5	660
A9NYCY12040/60	12	4/6	RE	1	1.8	24.5	1060
A9NYCY14015/25	14	1.5/2.5	RE	0.8	1.8	20.4	520
A9NYCY14025/60	14	2.5/6	RE	0.8	1.8	21.5	750
A9NYCY16015/40	16	1.5/4	RE	0.8	1.8	20	620
A9NYCY16025/60	16	2.5/6	RE	0.8	1.8	22.5	800
A9NYCY19015/40	19	1.5/4	RE	0.8	1.8	22.5	660
A9NYCY19025/60	19	2.5/6	RE	0.8	1.8	23.5	940
A9NYCY19040/10	19	4/10	RE	1	1.8	27.1	1376
A9NYCY21015/60	21	1.5/6	RE	0.8	1.8	23	790
A9NYCY24015/60	24	1.5/6	RE	0.8	1.8	5.5	850
A9NYCY24025/10	24	2.5/10	RE	0.8	1.8	7.6	1150

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A9NYCY24040/10	24	4/10	RE	1	1.8	2.3	1813
A9NYCY30015/60	30	1.5/6	RE	0.8	-	26.5	1020
A9NYCY30025/10	30	2.5/10	RE	0.8	1.8	29.5	1600
A9NYCY40015/10	40	1.5/10	RE	0.8	1.8	30	1280
A9NYCY40025/10	40	2.5/10	RE	0.8	1.8	33	1660
A9NYCY52015/10	52	1.5/10	RE	0.8	1.8	32	1600
A9NYCY52025/10	52	2.5/10	RE	0.8	1.8	35	2000
A9NYCY61015/10	61	1.5/10	RE	0.8	1.8	33	2000
A9NYCY61025/10	61	2.5/10	RE	0.8	1.8	36	2280

ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL CONDUCTOR RESISTANCE Ω/km	CURRENT CARRYING CAPACITY A		SHORT CIRCUIT 1 SEC kA	BENDING RADIUS (mm) FIXED INSTALLATION
			IN AIR AT 30° C	IN GROUND AT 20° C		
1	6/6	3.08	39	63	0.69	153
2	1.5/1.5	12.1	19	27	0.17	156
2	2.5/2.5	7.41	26	36	0.29	163
2	4/4	4.61	34	47	0.46	185
2	6/6	3.08	44	59	0.69	203
2	10/10	1.83	60	79	1.15	222
2	16/16	1.15	80	102	1.84	246
3	1.5/1.5	12.1	19	27	0.17	158
3	2.5/2.5	7.41	26	36	0.29	170
3	2.5/10	7.41	26	36	0.29	173
3	4/4	4.61	34	47	0.46	196
3	6/6	3.08	44	59	0.69	207.6
3	10/10	1.83	60	79	1.15	240
3	16/16	1.15	80	102	1.84	276
4	1.5/1.5	12.1	19	27	0.17	171
4	2.5/2.5	7.41	26	36	0.29	184
4	4/4	4.61	34	47	0.46	208
4	6/6	3.08	44	59	0.69	221
4	10/10	1.83	60	79	1.15	252
4	16/16	1.15	80	102	1.84	276
5	1.5/1.5	12.1	19	27	0.17	180
5	2.5/2.5	7.41	26	36	0.29	192
5	4/4	4.61	34	47	0.46	228
5	6/6	3.08	44	59	0.69	252
7	1.5/2.5	12.1	19	27	0.17	184
7	2.5/2.5	7.41	25	36	0.29	209
7	4/4	4.61	34	47	0.46	240
7	10/10	1.83	60	79	1.15	300
7	6/6	3.08	43	59	0.69	270
8	4/4	4.61	34	47	0.46	240

ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL CONDUCTOR RESISTANCE Ω/km	CURRENT CARRYING CAPACITY A		SHORT CIRCUIT 1 SEC kA	BENDING RADIUS (mm) FIXED INSTALLATION
			IN AIR AT 30° C	IN GROUND AT 20° C		
10	1.5/2.5	12.1	19	27	0.17	221
10	2.5/4	7.41	25	36	0.29	245
10	4/6	4.61	34	47	0.46	282
12	1.5/2.5	12.1	19	27	0.17	233
12	2.5/4	7.41	25	36	0.29	246
12	4/6	4.61	34	47	0.46	294
14	1.5/2.5	12.1	19	27	0.17	245
14	2.5/6	7.41	25	36	0.29	258
16	1.5/4	12.1	19	27	0.17	240
16	2.5/6	7.41	25	36	0.29	270
19	1.5/4	12.1	19	27	0.17	270
19	2.5/6	7.41	25	36	0.29	282
19	4/10	4.61	34	47	0.46	-
21	1.5/6	12.1	19	27	0.17	276
24	1.5/6	12.1	19	27	0.17	306
24	2.5/10	7.41	25	36	0.29	331
24	4/10	4.61	34	47	0.46	388
30	1.5/6	12.1	19	27	0.17	318
30	2.5/10	7.41	25	36	0.29	354
40	1.5/10	12.1	19	27	0.17	360
40	2.5/10	7.41	25	36	0.29	396
52	1.5/10	12.1	19	27	0.17	384
52	2.5/10	7.41	25	36	0.29	420
61	1.5/10	12.1	19	27	0.17	396
61	2.5/10	7.41	25	36	0.29	432

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.