



YAKY Aluminium Conductor PVC PVC 0.6/1kV Cable



Eland Product Group: P9N

APPLICATION

For fixed installation in buildings, in free air, in ground and in water.

CHARACTERISTICS

Voltage Rating U₀/U
0.6/1kV

Operating Temperature
Operating: -5°C to +70°C

CONSTRUCTION

Conductor

RE: Class 1 solid aluminium-circular or circular compacted
RM: Class 2 stranded
SM: Class 2 sector - shaped
SE: Class 1 solid sector - shaped or stranded (available upon request)

Insulation

PVC (Polyvinyl Chloride)

Sheath

PVC (Polyvinyl Chloride)

Core Identification

YAKYzo: 1 core: ● Green/Yellow
3 core: ● Green/Yellow ● Blue ● Brown
4 core: ● Green/Yellow ● Brown ● Black ● Grey
5 core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey
7 core and above: ● Black with ○ White numbers

YAKY: 1 core: ● Black

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

Sheath Colour

● Black

STANDARDS

IEC 60502-1, Generally to PN HD 603, IEC 60228

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

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



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 2015/65/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	CONDUCTOR TYPE	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	FIXED INSTALLATION BENDING RADIUS mm	NOMINAL THICKNESS OF SHEATH mm	NOMINAL DIAMETER mm	NOMINAL WEIGHT kg/km
P9NA1016	1	RE	16	1	158	1.8	10.5	145
P9NA1025	1	RE	25	1.2	180	1.8	12	195
P9NA1035	1	RE	35	1.2	203	1.8	13.5	255
P9NA1050	1	RM	50	1.4	231	1.8	15.4	298
P9NA1070	1	RM	70	1.4	255	1.8	17	383
P9NA1095	1	RM	95	1.6	285	1.8	19	490
P9NA1120	1	RM	120	1.6	300	1.8	20	575
P9NA1150	1	RM	150	1.8	330	1.8	22	695
P9NA1185	1	RM	185	2	375	1.8	25	845
P9NA1240	1	RM	240	2.2	420	1.8	28	1100
P9NA1300	1	RM	300	2.4	450	1.9	30	1379
P9NA1400	1	RM	400	2.6	510	2	34	1615
P9NA1500	1	RM	500	2.8	555	2.1	37	2015
P9NA1630	1	RM	630	2.8	645	2.2	43	2472
P9NA3300	3	SM	300	2.4	708	3	59	4500
P9NA4016	4	RE	16	1.2	288	1.8	24	750
P9NA4025	4	RE	25	1.2	300	1.8	25	950
P9NA4035	4	RE	35	1.2	354	1.8	28.1	1120
P9NA4050	4	SM	50	1.4	354	1.9	29.5	1151
P9NA4070	4	SM	70	1.4	420	2.1	33.4	1549
P9NA4095	4	SM	95	1.6	468	2.2	39	2030
P9NA4120	4	SM	120	1.6	516	2.4	43	2400
P9NA4150	4	SM	150	1.8	552	2.5	46	3030
P9NA4185	4	SM	185	2	612	2.7	51	3650
P9NA4240	4	SM	240	2.2	696	2.9	58	4800
P9NA4300	4	SM	300	2.4	786	3	65.5	5685
P9NA5016	5	RE	16	1	262	1.8	21.8	938
P9NA5025	5	RE	25	1.2	325	1.8	27.1	1188
P9NA5035	5	RE	35	1.2	362	1.8	30.2	1375
P9NA5050	5	RM	50	1.4	432	1.8	36.2	1720
P9NA5070	5	RM	70	1.4	492	2.1	44	2240
P9NA5095	5	RM	95	1.6	564	2.1	47	3060
P9NA5120	5	RM	120	1.6	612	2.4	53	3580
P9NA5150	5	RM	150	1.8	672	2.5	56	4400
P9NA5185	5	RM	185	2	804	2.7	59	5481
P9NA5240	5	RM	240	2.2	852	2.9	71	7000



DIMENSIONS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
6	1
10	3.08
16	1.9
25	1.2
35	0.869
50	0.641
70	0.443
70	0.443
95	0.32
120	0.253
150	0.206
185	0.164
240	0.125
300	0.1
400	0.0778
500	0.0605
630	0.0469
800	0.0367

CURRENT CARRYING CAPACITY

NO. OF CORES	IN GROUND Amps		IN AIR Amps	
	1 Core	3,4 and 5 Core	1 Core	3,4 and 5 Core
6	-	25	-	35
10	-	34	-	47
16	-	50	-	63
25	87	82	106	102
35	107	100	127	123
50	131	119	151	144
70	166	152	185	179
95	205	186	222	215
120	239	216	253	245
150	246	246	275	275
185	317	285	322	313
240	378	338	375	364
300	437	400	425	419
400	513	-	487	-
500	600	-	558	-
630	701	-	635	-
800	1080	-	1166	-

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.