



EAYY 0.6/1kV Cable



Eland Product Group: C4A

APPLICATION

Power cable for fixed installation. Can be used indoors, outdoors, in water or underground.

CHARACTERISTICS

Voltage Rating U_o/U
0.6/1kV

Test Voltage
4kV

Temperature Range

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

Maximum conductor temperature during S.C: <300mm²: 160°C
>300mm²: 140°C

Short Circuit Time

Max. 5 Seconds

Minimum Bending Radius

Single core: 15 x Outer diameter
Multi core: 12 x Outer diameter

CONSTRUCTION

Conductor

Class 1 solid or Class 2 stranded Aluminium

Insulation

PVC (Polyvinyl Chloride)

Filler

PVC (Polyvinyl Chloride) or tape

Sheath

PVC (Polyvinyl Chloride)

Core Identification

According to HD 308 S2

Outer Sheath Colour

● Black

STANDARDS

EN 60228, HD 603 S1, HD 308 S2, OVE K 23, OVE K 603
Flame retardant according to: IEC/EN 60332-1

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 2015/86/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.





DIMENSIONS AND ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR TYPE	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C Ω/Km
C4A01016RE	1	16	RE	95	118	1.91
C4A01025RM	1	25	RM	115	174	1.2
C4A01035RM	1	35	RM	13	209	0.868
C4A01050RM	1	50	RM	14	282	0.641
C4A01070RM	1	70	RM	16	363	0.443
C4A01095RM	1	95	RM	18	520	0.320
C4A01120RM	1	120	RM	19	557	0.253
C4A01150RM	1	150	RM	22	674	0.206
C4A01185RM	1	185	RM	235	826	0.164
C4A01240RM	1	240	RM	27	1060	0.125
C4A01300RM	1	300	RM	295	1288	0.100
C4A03240SM120RM	3G	240+120	SM+SM	545	5455	0.125/0.253
C4A04016RE	4	16	RE	19	414	1.91
C4A04025RM	4	25	RM	24	887	1.2
C4A04035RM	4	35	RM	28	1075	0.868
C4A04035SM	4	35	SM	26	796	0.868
C4A04050SM	4	50	SM	29	1017	0.641
C4A04070SM	4	70	SM	335	1312	0.443
C4A04095SM	4	95	SM	365	1698	0.320
C4A04120SM	4	120	SM	395	2460	0.253
C4A04150SM	4	150	SM	43	2600	0.206
C4A04185SM	4	185	SM	52	3780	0.164
C4A04240SM	4	240	SM	545	4100	0.125
C4A04300SM	4	300	SM	585	5000	0.100
C4A05010RE	5	10	RE	18	393	3.08
C4A05016RE	5	16	RE	21	5215	1.91
C4A05016RM	5	16	RM	225	5215	1.91
C4A05025RM	5	25	RM	27	1020	1.2
C4A05035RM	5	35	RM	305	1320	0.868
C4A05050RM	5	50	RM	345	1550	0.641
C4A05070RM	5	70	RM	395	2021	0.443
C4A05095RM	5	95	RM	455	2598	0.320
C4A05120RM	5	120	RM	49	3200	0.253
C4A05150RM	5	150	RM	555	4300	0.206
C4A05185RM	5	185	RM	61	5350	0.164
C4A05240RM	5	240	RM	70	7600	0.125

Conductor Types

RE: Class 1 solid round conductor

RM: Class 2 stranded round conductor

SM: Class 2 stranded sector shaped conductor