



# EAY2Y 0.6/1kV Cable



Eland Product Group: C4B

## APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in open air, in water – as permitted by the local building regulations – under severe mechanical stressing during installation and operation.

## CHARACTERISTICS

**Voltage Rating** U<sub>0</sub>/U  
0.6/1kV

**Test Voltage**  
4kV

**Temperature Range**  
-5°C to +70°C

**Short Circuit Time**  
Max. 5 Seconds

**Minimum Bending Radius**  
15 x Outer diameter

## CONSTRUCTION

**Conductor**  
Class 1 solid or Class 2 stranded Aluminium wires

**Insulation**  
PVC (Polyvinyl Chloride)

**Filler**  
PVC (Polyvinyl Chloride) or tape

**Sheath**  
HDPE (High Density Polyethylene)

**Core Identification**  
According to HD 308 S2

**Outer Sheath Colour**  
● Black

## STANDARDS

HD 603 S1  
Flame retardant according to: IEC/EN 60332-1

## THE CABLE LAB<sup>®</sup>

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](http://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 2015/853/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS AND ELECTRICAL CHARACTERISTICS

ELAND PART NO.	NO OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONDUCTOR TYPE	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C Ω/Km
C4B01120RM	1	120	RM	19	520	0.253
C4B01150RM	1	150	RM	22	630	0.206
C4B01185RM	1	185	RM	25	750	0.164
C4B01240RM	1	240	RM	27	980	0.125
C4B01300RM	1	300	RM	29	1200	0.1
C4B03240SM120SM	3G	240+120	SM+SM	55	3900	0.125 / 0.253
C4B04016RM	4	16	RM	21	550	1.91
C4B04025RM	4	25	RM	24	780	1.2
C4B04025RE	4	25	RE	22	720	1.2
C4B04035RM	4	35	RM	26	790	0.868
C4B04035SM	4	35	SM	25	730	0.868
C4B04050SM	4	50	SM	28	1100	0.641
C4B04050SE	4	50	SE	26	1000	0.641
C4B04070SM	4	70	SM	31	1350	0.443
C4B04070SE	4	70	SE	30	1210	0.443
C4B04095SM	4	95	SM	36	1800	0.32
C4B04095SE	4	95	SE	34	1720	0.32
C4B04150SM	4	150	SM	43	2700	0.206
C4B04150SE	4	150	SE	41	2580	0.206
C4B04185SM	4	185	SM	47	3080	0.164
C4B04185SE	4	185	SE	46	2930	0.164
C4B04240SE	4	240	SE	53	4140	0.125
C4B04240SM	4	240	SM	54	4200	0.125
C4B04300SM	4	300	SM	60	4630	0.1

## Conductor Types

RE: Class 1 solid round conductor

RM: Class 2 stranded round conductor

SE: Class 1 Solid sector shaped conductor

SM: Class 2 stranded sector shaped conductor