



AMCMK Cable



Eland Product Group: B2PA

APPLICATION

The AMCMK cable is suitable for fixed installation indoors and outdoors, perfect for ploughing down. Suitable for cable ducts and house connections.

CHARACTERISTICS

Voltage Rating U_o/U (U_m)
0.6/1kV

Test Voltage
4kV/50Hz

Temperature Rating
Minimum Laying Temperature: -15°C
Maximum Operating Temperature: +70°C

Short Circuit Temperature
+160°C

Minimum Bending Radius
12x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded aluminium (circular or sectorial)

Insulation
PVC (Polyvinyl Chloride)

Screen
Copper wire

Metallic Sheath
Copper Tape

Outer Sheath
PVC (Polyvinyl Chloride)

Core Identification
3 core: ● Brown ● Black ● Grey
4 core: ● Blue ● Brown ● Black ● Grey

Sheath Colour
● Black

STANDARDS

SFS 4880, HD 603-3F S1, IEC 60502-1, HD 308 S2:2002

Flame retardant according to IEC 60332-3 cat. B

UKAS LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab[®], a UKAS accredited ISO 17025 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 ²	NOMINAL WEIGHT kg/km
B2PA0316/10	3	16Al/10Cu	560
B2PA03025/16	3	25Al/16Cu	620
B2PA03035/16	3	35Al/16Cu	730
B2PA03050/16	3	50Al/16Cu	975
B2PA0370/21	3	70Al/21Cu	1300
B2PA0395/29	3	95Al/29Cu	1750
B2PA03120/41	3	120Al/41Cu	2150
B2PA03150/41	3	150Al/41Cu	2550
B2PA03185/57	3	185Al/57Cu	3250
B2PA03240/72	3	240Al/72Cu	4100
B2PA03300/88	3	300Al/88Cu	5000
B2PA0316/10	3	16Al/10Cu	560
B2PA04035/16	4	35Al/16Cu	955
B2PA04050/16	4	50Al/16Cu	1250
B2PA0470/21	4	70Al/21Cu	1600
B2PA0495/29	4	95Al/29Cu	2200
B2PA04120/41	4	120Al/41Cu	2650
B2PA04150/41	4	150Al/41Cu	3150
B2PA04185/57	4	185Al/57Cu	4000
B2PA04240/72	4	240Al/72Cu	5100
B2PA04300/88	4	300Al/88Cu	6300

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY A		MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C Ω/km
	In Air	In Ground	
16Al/10Cu	64	78	1.910/1.910
25Al/16 Cu	83	100	1.200/1.910
35Al/16Cu	105	125	0.868/1.910
50Al/16Cu	125	150	0.641/1.200
70Al/21Cu	155	185	0.443/0.868
95Al/29Cu	190	220	0.320/0.641
120Al/41Cu	220	255	0.253/0.443
150Al/41Cu	250	290	0.206/0.443
185Al/57Cu	285	330	0.164/0.320
240Al/72Cu	330	375	0.125/0.253
300Al/88Cu	380	430	0.100/0.206

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.