



AXMK PE Cable



Eland Product Group: B2W

APPLICATION

The AXMK PE is a power cable suitable for use in earth, ducts, on support brackets, in dry and wet conditions where one does not expect mechanical damages and the cables are not exposed to the mechanical tensile strain. Mainly used in urban networks, industrial plants, electric power plants and for connection of control devices in industry.

CHARACTERISTICS

Voltage Rating U₀/U
0.6/1kV

Test Voltage
4kV/50Hz

Temperature Rating
Laying temperature: -20°C
Maximum Conductor temperature: +90°C

Short Circuit Temperature
250°C

Minimum Bending Radius
12 x overall diameter

CONSTRUCTION

Conductor
RM: Class 2 annealed round stranded aluminium
SM: Class 2 annealed sector shaped stranded aluminium

Insulation
XLPE (Cross-Linked Polyethylene)

Outer Sheath
PE (Polyethylene)

Core Identification
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

Sheath Colour
● Black

STANDARDS

EN 60332-1-2 . HD 603 SD, SFS 4879, HD 308 S2

ISO/IEC 17025 LAB 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	CONDUCTOR SHAPE mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B2W04025BK	4	25	RM	21.0	490
B2W04035BK	4	35	RM	23.8	620
B2W04050BK	4	50	RM	28.0	710
B2W04070BK	4	70	SM	30.6	1100
B2W04095BK	4	95	SM	35.0	1331
B2W04120BK	4	120	SM	38.5	1800
B2W04150BK	4	150	SM	41.0	2049
B2W04185BK	4	185	SM	45.0	2530
B2W04240BK	4	240	SM	52.0	3258

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ² w	CURRENT CARRYING CAPACITY A		MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C ohm/km
	GROUND	AIR	
25	100	77	1.200
35	125	95	0.868
50	150	117	0.641
70	185	148	0.443
95	220	180	0.320
120	255	209	0.253
150	280	240	0.206
185	330	274	0.164
240	375	323	0.125

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.