

## AHXCMK 12/20 (24)kV Cable



Eland Product Group: B1P

### APPLICATION

The AHXCMK 12/20kV cable is suitable for indoor and outdoor installation.

### CHARACTERISTICS

**Voltage Rating** U<sub>o</sub>/U (Um)  
12/20 (24) kV

**Temperature Rating**  
Operating: -20°C to +90°C

**Short Circuit Temperature**  
250°C

**Minimum Bending Radius**  
10 x overall diameter

### CONSTRUCTION

**Conductor**  
Waterproof, round aluminum rope

**Conductor screen**  
Semi-conductive plastic

**Insulation**  
XLPE (Cross-Linked Polyethylene)

**Insulation Screen**  
Semi-conductive plastic

**Anti-shock protection**  
Layer of copper wires and copper strip

**Sheath**  
Waterproof PE (Polyethylene)

**Sheath Colour**  
● Black

### STANDARDS

HD 620 S2: 2010 Part 10 Section F / M

### ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited 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 <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	MAXIMUM PULLING FORCE kN	NOMINAL WEIGHT kg/km
B1P20KV03400/35	1	400/35	46	20	2240
B1P20KV03500/35	1	500/35	48	20	2650
B1P20KV03630/35	1	630/35	52	20	3200
B1P20KV03800/35	1	800/35	58	20	3900
B1P20KV031000	1	1000/35	62	20	4430
B1P20KV031200	1	1200/35	66	20	5170
B1P20KV03050/16	3	50/16	53	7.50	1780
B1P20KV03070/16	3	70/16	56	10.50	2050
B1P20KV03095/16	3	95/16	60	14.30	2400
B1P20KV03120/25	3	120/25	64	18	2820
B1P20KV03150/25	3	150/25	67	20	3160
B1P20KV03185/25	3	185/25	70	20	3620
B1P20KV03240/25	3	240/25	76	20	4300
B1P20KV03300/35	3	300/35	81	20	5530

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C ohm/km
50/16	0.641
70/16	0.443
95/16	0.320
120/25	0.253
150/25	0.206
185/25	0.164
240/25	0.125
300/35	0.100
400/35	0.0778
500/35	0.0605
630/35	0.0469
800/35	0.0367
1000/35	0.0291
1200/35	0.0247

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.