



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 U₀/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

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE 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 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	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 ²	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.