ELAND CABLES

MCMK Cable

Eland Product Group: B1Q

APPLICATION

The MCMK cable is suitable for domestic and industrial installations. The cables may be installed indoors and outdoors, and may be laid in the ground and in water.

CHARACTERISTICS

Voltage Rating Uo/U (Um)
0.6/1 (1.2)kV

Temperature Rating
-15°C to +70°C

Short Circuit Temperature
160°C

Minimum Bending Radius
10 x overall diameter

CONSTRUCTION

Conductor
Up to 6 mm²: Circular, solid copper
Up to 10 mm² Circular, stranded copper
Above 25mm²: Sector shaped, stranded copper, conductors are annealead

Insulation
PVC Compound (Polyvinyl chloride)

Filler
Plastic tape

Screen
Copper wires and copper tape

Sheath
UV Resistant PVC (Polyvinyl chloride)

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

Sheath Colour
Black

STANDARDS

SFS 4880, HD 603-3F, HD 603-3L, HD 308 S2:2001
Flame retardant according to EN 60332-1-2

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 mm²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B1Q020015/1.5	2	1.5/1.5	13	190
B1Q020025/2.5	2	2.5/2.5	14	230
B1Q020060/6	2	6/6	18	400
B1Q02010/10	2	10/10	21	580
B1Q030015/1.5	3	1.5/1.5	13	170
B1Q030025/2.5	3	2.5/2.5	13	210
B1Q030060/6	3	6/6	17	390
B1Q03010/10	3	10/10	21	590
B1Q03016/10	3	16/16	23	850
B1Q03025/16	3	25/16	28	1170
B1Q03035/16	3	35/16	27	1420
B1Q03050/25	3	50/25	30	1950
B1Q03070/35	3	70/35	33	2640
B1Q03095/50	3	95/50	37	3620
B1Q03120/70	3	120/70	41	4530
B1Q03150/70	3	150/70	44	5430
B1Q03185/95	3	185/95	50	6880
B1Q03240/12	3	240/120	56	8940
B1Q040015/1.5	4	1.5/1.5	13	190
B1Q040025/2.5	4	2.5/2.5	14	250
B1Q040060/6	4	6/6	19	480
B1Q04010/10	4	10/10	22	720
B1Q04016/10	4	16/16	25	1050
B1Q04025/16	4	25/16	30	1460
B1Q04035/16	4	35/16	29	1800
B1Q04050/25	4	50/25	33	2500
B1Q04070/35	4	70/35	36	3360
B1Q04095/50	4	95/50	41	4600
B1Q04120/70	4	120/70	44	5730
B1Q04150/70	4	150/70	48	6930
B1Q04185/95	4	185/95	56	8800
B1Q04240/12	4	240/120	62	11460

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ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	MAXIMUM CONDUCTOR DC RESISTANCE AT AT 20°C ohm/km	CURRENT CARRYING CAPACITY In Ground (A)	CURRENT CARRYING CAPACITY In Air (A)
1.5/1.5	12.1	26	14
2.5/2.5	7.41	35	20
6/6	3.08	57	33
10/10	1.83	77	62
16/16	1.15	100	82
25/16	0.727	130	107
35/16	0.524	160	135
50/25	0.387	190	160
70/35	0.268	240	200
95/50	0.193	285	245
120/70	0.153	325	280
150/70	0.124	370	320
185/95	0.0991	420	365
240/120	0.0754	480	425