

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 U_0/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 annealed

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

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 ²	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



ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	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

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.