



## FXQJ EMC 1kV Cable



Eland Product Group: B1G

### APPLICATION

The FXQJ EMC 1kV cable may be used for fixed installation indoors and outdoors in air, ground and water and it is suitable for use in industrial facilities and other establishments where EMI may cause problems.

### CHARACTERISTICS

**Voltage Rating** U<sub>0</sub>/U  
0.6/1kV

**Temperature Rating**  
Minimum installation Temp: -10°C  
Operating Temp: -40°C to +90°C

**Minimum Bending Radius**  
8 x overall diameter

### CONSTRUCTION

**Conductor**  
Up to 35mm<sup>2</sup>: Circular Stranded Copper  
Above 35mm<sup>2</sup>: Shaped Stranded Copper

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

**Filler**  
HFFR (Halogen free flame retardant)

**Tape**  
Copper

**Screen**  
Annealed copper wire

**Outer Sheath**  
HFFR (Halogen free flame retardant)

**Core Identification**  
3 core: ● Brown ● Black ● Grey  
4 core: ● Brown ● Black ● Grey ● Blue

**Sheath Colour**  
● Black

### STANDARDS

IEC 60228, IEC 61034, IEC 60754-2 HD 604.5D  
HD 604 S1-5D, SS 424 14 18, SS 424 14 24

### THE CABLE LAB<sup>®</sup>

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](http://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<sup>®</sup>.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
B1G030025/2.5BK	3	2.5/2.5	13.0	280
B1G030060/6BK	3	6/6	16.0	460
B1G03010/10BK	3	10/10	19.0	680
B1G03016/10BK	3	16/16	21.0	930
B1G03025/16BK	3	25/16	25.0	1330
B1G03035/16BK	3	35/16	27.0	1680
B1G03050/25BK	3	50/25	27.0	1920
B1G03070/35BK	3	70/35	31.0	2690
B1G03095/50BK	3	95/50	35.0	3560
B1G03120/70BK	3	120/70	38.0	4480
B1G03150/70BK	3	150/70	41.0	5320
B1G03185/95BK	3	185/95	45.0	6550
B1G03240/12BK	3	240/120	52.0	8600
B1G03300/150BK	3	300/150	58.0	10500
B1G040025/2.5BK	4	2.5/2.5	14.5	300
B1G040060/6BK	4	6/6	17.5	520
B1G04010/10BK	4	10/10	20.5	780
B1G04016/10BK	4	16/16	22.5	1100
B1G04025/16BK	4	25/16	26.5	1600
B1G04035/16BK	4	35/16	29.0	1990
B1G04050/25BK	4	50/25	29.0	2900
B1G04070/35BK	4	70/35	34.0	3220
B1G04095/50BK	4	95/50	38.0	4370
B1G04120/70BK	4	120/70	42.0	5600
B1G04150/70BK	4	150/70	47.5	6800
B1G04185/95BK	4	185/95	51.5	8300
B1G04240/12BK	4	240/120	58.0	10800
B1G04300/150BK	4	300/150	65.0	13500

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.