

## RVOV-K Cable



Eland Product Group: B3G

### APPLICATION

Shielded cables with PVC sheath, suitable for connecting industrial equipment.

### CHARACTERISTICS

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

**Test Voltage**  
3.5kV

**Temperature Rating**  
Operating: -15°C to +90°C  
Maximum Short Circuit Temperature: 250°C (Max. 5 seconds)

**Minimum Bending Radius**  
10 x overall diameter

### CONSTRUCTION

**Conductor**  
Class 5 Flexible Copper Conductor

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

**Inner Sheath**  
PVC (Polyvinyl Chloride)

**Shield**  
Copper Tape

**Outer Sheath**  
PVC (Polyvinyl Chloride)

**Core Identification**  
● Black Numbered

**Sheath Colour**  
● Black

### STANDARDS

IEC-60502, IEC/EN 60228

Flame Retardant according to IEC/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.



8578



FS 672069



EMS 672067

OHS 672066

### 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™.



KM 634267





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B3G020015BK	2	1.5	0.7	1.4	11.0	154
B3G020025BK	2	2.5	0.7	1.4	12.1	195
B3G020040BK	2	4	0.7	1.4	13.2	251
B3G020060BK	2	6	0.7	1.4	13.9	291
B3G02010BK	2	10	0.7	1.4	15.8	409
B3G02016BK	2	16	0.7	1.5	18.7	560
B3G02025BK	2	25	0.9	1.6	21.5	850
B3G02035BK	2	35	0.9	1.7	24.4	1135
B3G030025BK	3	2.5	0.7	1.4	13.0	232
B3G030040BK	3	4	0.7	1.4	13.6	284
B3G040015BK	4	1.5	0.7	1.4	12.7	214
B3G040025BK	4	2.5	0.7	1.4	13.7	269
B3G040040BK	4	4	0.7	1.4	14.8	342
B3G040060BK	4	6	0.7	1.5	16.4	443
B3G04010BK	4	10	0.7	1.5	18.5	625
B3G04016BK	4	16	0.7	1.5	21.3	877
B3G04025BK	4	25	0.9	1.7	25.7	1334
B3G04035BK	4	35	0.9	1.8	28.6	1766
B3G050025BK	5	2.5	0.7	1.4	14.8	310
B3G050040BK	5	4	0.7	1.4	16.3	407
B3G060015BK	6	1.5	0.7	1.4	14.1	255
B3G060025BK	6	2.5	0.7	1.4	15.2	332
B3G060040BK	6	4	0.7	1.4	16.7	433
B3G070015BK	7	1.5	0.7	1.4	14.4	288
B3G070025BK	7	2.5	0.7	1.4	15.4	356
B3G070040BK	7	4	0.7	1.5	17.5	500
B3G120015BK	12	1.5	0.7	1.5	18.1	454
B3G120025BK	12	2.5	0.7	1.6	20.1	613
B3G120040BK	12	4	0.7	1.7	22.4	823
B3G120060BK	12	6	0.7	1.7	24.7	1084
B3G140015BK	14	1.5	0.7	1.5	19.0	530
B3G140025BK	14	2.5	0.7	1.6	21.0	675

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	RESISTANCE AT 20°C Ohms/km
1.5	13.3
2.5	7.98
4	4.95
6	3.30
10	1.91
16	1.21
25	0.780
35	0.554

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.