

ELAND[®]
CABLES **Veriflex[®] CY PVC (YSLYCY) Control Cable**

Eland Product Group: V03

APPLICATION

Veriflex[®] screened flexible connecting cables for instrumentation and control equipment, for tooling machinery production lines and, in flexible applications for free movement without tensile load. Suitable for use in dry, moist and wet rooms. These cables are not used for outdoor or underground installation.

CY control cables are not suitable for fixed wiring applications requiring compliance with the regulations set out in BS7671.

CHARACTERISTICS**Voltage Rating**

300/500V

Test Voltage

4kV

Temperature Rating

Fixed: -40°C to +80°C

Flexed: -5°C to +70°C

Minimum Bending Radius

Fixed: 4 x overall diameter

Flexed: 12.5 x overall diameter

CONSTRUCTION**Conductor**

Class 5 flexible plain copper wires

Insulation

PVC (Polyvinyl Chloride)

Separator

PET (Polyester Tape)

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)

Core Identification

● Black with white number

From 3 cores: ● Black with white number + ● Green/Yellow

Colour-coded cores available upon request

Sheath Colour

● Grey

STANDARDS

VDE 0207-363-3, VDE 0285-525-2-51, VDE 0285-525-1, VDE 0285-525-2-11, VDE 0482-332-1-2, VDE 819-102 (TM54)

Flame Retardant according to IEC 60332-1-2

**UK LABORATORY TESTED** 

This product is subject to the Quality Assurance protocols of The Cable Lab[®], a UKAS accredited ISO 17025 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 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 THICKNESS OF INSULATION mm	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V0302001GR000	2	0.5	0.40	0.6	5	35
V0302011GR000	2	0.75	0.40	0.6	5.5	45
V0302021GR000	2	1	0.40	0.7	6.1	56
V0302031GR000	2	1.5	0.40	0.7	6.7	69
V0303001GR000	3	0.5	0.40	0.6	5.4	48
V0303011GR000	3	0.75	0.40	0.7	6	61
V0303021GR000	3	1	0.40	0.7	6.4	71
V0303031GR000	3	1.5	0.40	0.7	7.1	90
V0303041GR000	3	2.5	0.50	0.8	8.6	136
V0304001GR000	4	0.5	0.40	0.7	6	61
V0304011GR000	4	0.75	0.40	0.7	6.5	75
V0304021GR000	4	1	0.40	0.7	7	89
V0304031GR000	4	1.5	0.40	0.7	7.7	114
V0304041GR000	4	2.5	0.50	0.8	9.4	173
V0304051GR000	4	4	0.60	1	11.5	260
V0304061GR000	4	6	0.65	1.1	13.1	358
V0304071GR000	4	10	0.75	1.3	16.7	593
V0304081GR000	4	16	0.75	1.5	19	852
V0304091GR000	4	25	0.90	1.6	23.5	1274
V0304101GR000	4	35	0.95	1.7	26.9	1686
V0305001GR000	5	0.5	0.40	0.7	6.5	73
V0305011GR000	5	0.75	0.40	0.7	7	89
V0305021GR000	5	1	0.40	0.7	7.6	107
V0305031GR000	5	1.5	0.40	0.8	8.6	142
V0305041GR000	5	2.5	0.50	0.9	10.4	216
V0305071GR000	5	10	0.75	1.4	18.5	738
V0305081GR000	5	16	0.75	1.5	20.9	1050
V0305091GR000	5	25	0.90	1.7	26.1	1588
V0307001GR000	7	0.5	0.40	0.7	7	89
V0307011GR000	7	0.75	0.40	0.7	7.6	112
V0307021GR000	7	1	0.40	0.8	8.4	139
V0307031GR000	7	1.5	0.40	0.8	9.3	180
V0307041GR000	7	2.5	0.50	1	11.5	283
V0310001GR000	12	0.5	0.40	0.8	9.2	143
V0310011GR000	12	0.75	0.40	0.8	10	181
V0310021GR000	12	1	0.40	1	11.2	230
V0310031GR000	12	1.5	0.40	1.1	12.7	307
V0314011GR000	18	0.75	0.40	1.1	12.2	274
V0314021GR000	18	1	0.40	1.1	13.2	331
V0314031GR000	18	1.5	0.40	1.2	14.9	443
V0318011GR000	25	0.75	0.40	1.1	13.2	282
V0318021GR000	25	1	0.40	1.2	15.8	444
V0318031GR000	25	1.5	0.40	1.3	17.9	596

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITIES 30°C CONTINUOUS LOADING A	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
0.5	9	39
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	26	7.98
4	34	4.95
6	44	3.3
10	61	1.91
16	82	1.21
25	108	0.780
35	135	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.