


**ELAND**<sup>®</sup>  
CABLES **Veriflex<sup>®</sup> CY LSZH (HSLCH) Control Cable**

Eland Product Group: V13

**APPLICATION**

Veriflex<sup>®</sup> low smoke halogen-free flexible screened cable for instrumentation and control equipment in tooling machinery, production lines, and flexible applications with free movement without tensile load. Suitable for use in dry, ambient and wet rooms. The screen protects against external interference pulses for interference-free transmission. These cables are not used for outdoor or underground installation.

**CHARACTERISTICS****Voltage Rating**

300/500V

**Temperature Rating**

Fixed: -40°C to +80°C

Flexed: -15°C to +70°C

**Minimum Bending Radius**

Fixed: 6 x overall diameter

Flexed: 15 x overall diameter

**CONSTRUCTION****Conductor**

Class 5 flexible plain copper

**Insulation**

LSZH (Low Smoke Zero Halogen)

**Separator**

PET (Polyester Tape)

**Screen**

TCWB (Tinned Copper Wire Braid)

**Sheath**

LSZH (Low Smoke Zero Halogen)

**Core Identification**

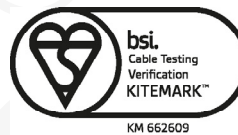
● Black with ○ White number

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

Colour-coded cores available upon request

**Sheath Colour**

● Grey

**BSI KITEMARK™ TESTED**

Cables are tested and verified by The Cable Lab<sup>®</sup> to confirm they meet the quality standards required of the BSI Cable Testing Verification Kitemark™.

**STANDARDS**

VDE 0207-303-7,

Flame Retardant according to IEC/EN 60332-1-2,  
IEC/EN 60332-3-24Low Smoke Zero Halogen according to IEC/EN 60754-1/2,  
IEC/EN 61034-2**ISO/IEC 17025 LABORATORY TESTED**

This product is subject to the Quality Assurance protocols of The Cable Lab<sup>®</sup>, 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<sup>®</sup> as meeting the requirements of the BSI RoHS Trusted Kitemark™.



## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V1302001GR000	2	0.5	0.40	0.6	5.0	35
V1302011GR000	2	0.75	0.40	0.6	5.5	45
V1302021GR000	2	1	0.40	0.7	6.1	56
V1302031GR000	2	1.5	0.40	0.7	6.7	69
V1303001GR000	3	0.5	0.40	0.6	5.4	48
V1303011GR000	3	0.75	0.40	0.7	6	61
V1303021GR000	3	1	0.40	0.7	6.4	71
V1303031GR000	3	1.5	0.40	0.7	7.1	90
V1303041GR000	3	2.5	0.50	0.8	8.6	136
V1304001GR000	4	0.5	0.40	0.7	6	61
V1304011GR000	4	0.75	0.40	0.7	6.5	75
V1304021GR000	4	1	0.40	0.7	7	89
V1304031GR000	4	1.5	0.40	0.7	7.7	114
V1304041GR000	4	2.5	0.50	0.8	9.4	173
V1304051GR000	4	4	0.60	1	11.5	260
V1304061GR000	4	6	0.65	1.1	13.1	358
V1304071GR000	4	10	0.75	1.3	16.7	593
V1304081GR000	4	16	0.75	1.5	19	852
V1304091GR000	4	25	0.90	1.6	23.5	1274
V1304101GR000	4	35	0.95	1.7	26.9	1686
V1305001GR000	5	0.5	0.40	0.7	6.5	73
V1305011GR000	5	0.75	0.40	0.7	7	89
V1305021GR000	5	1	0.40	0.7	7.6	107
V1305031GR000	5	1.5	0.40	0.8	8.6	142
V1305041GR000	5	2.5	0.50	0.9	10.4	216
V1305051GR000	5	4	0.6	1.1	12.7	325
V1305061GR000	5	6	0.65	1.2	14.6	449
V1305071GR000	5	10	0.75	1.4	18.5	738
V1305081GR000	5	16	0.75	1.5	20.9	1050
V1305091GR000	5	25	0.90	1.7	26.1	1588
V1307001GR000	7	0.5	0.40	0.7	7	89
V1307011GR000	7	0.75	0.40	0.7	7.6	112
V1307021GR000	7	1	0.40	0.8	8.4s	139
V1307031GR000	7	1.5	0.40	0.8	9.3	180
V1307041GR000	7	2.5	0.50	1	11.5	283
V1312001GR000	12	0.5	0.40	0.8	9.2	143
V1312011GR0000	12	0.75	0.40	0.8	10	181
V1312021GR000	12	1	0.40	1	11.2	230
V1312031GR000	12	1.5	0.40	1.1	12.7	307
V1318011GR000	18	0.75	0.40	1.1	12.2	274
V1318021GR000	18	1	0.40	1.1	13.2	331
V1318031GR000	18	1.5	0.40	1.2	14.9	443
V1325011GR000	25	0.75	0.40	1.2	14.6	367
V1325021GR000	25	1	0.40	1.2	15.8	444
V1325031GR000	25	1.5	0.40	1.3	17.9	596

Click here for more information:

[elandcables.com](http://elandcables.com) | [Veriflex CY LSZH HSLCH Control Cable](#)

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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.