

**ELAND®
CABLES**

Veriflex® CY LSZH (HSLCH) Control Cable



Eland Product Group: V13

APPLICATION

Veriflex® 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

Test Voltage
2kV

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 wires

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 numbers
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® to confirm they meet the quality standards required of the BSI Cable Batch Verification Kitemark™

STANDARDS

VDE 0207-303-7, VDE 0285-525-1, VDE 0285-525-2-51, VDE 0482-332-1-2, VDE 0482-332-3-24, VDE 0482-754-1/2, VDE 0482-1034-2

Flame Retardant according to IEC 60332-3-24, IEC 60332-1-2
Low Smoke Density / Halogen free according to IEC 61034-2, IEC 60754-1/2



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	HUMMEL EMC EARTHING GLAND SIZE
V1302001GR000	2	0.5	0.40	0.6	5.0	35	16
V1302011GR000	2	0.75	0.40	0.6	5.5	45	16
V1302021GR000	2	1	0.40	0.7	6.1	56	16
V1302031GR000	2	1.5	0.40	0.7	6.7	69	16
V1303001GR000	3	0.5	0.40	0.6	5.4	48	16
V1303011GR000	3	0.75	0.40	0.7	6	61	16
V1303021GR000	3	1	0.40	0.7	6.4	71	16
V1303031GR000	3	1.5	0.40	0.7	7.1	90	16
V1303041GR000	3	2.5	0.50	0.8	8.6	136	20
V1304001GR000	4	0.5	0.40	0.7	6	61	16
V1304011GR000	4	0.75	0.40	0.7	6.5	75	16
V1304021GR000	4	1	0.40	0.7	7	89	16
V1304031GR000	4	1.5	0.40	0.7	7.7	114	16
V1304041GR000	4	2.5	0.50	0.8	9.4	173	20
V1304051GR000	4	4	0.60	1	11.5	260	25
V1304061GR000	4	6	0.65	1.1	13.1	358	32
V1304071GR000	4	10	0.75	1.3	16.7	593	32
V1304081GR000	4	16	0.75	1.5	19	852	40
V1304091GR000	4	25	0.90	1.6	23.5	1274	40
V1304101GR000	4	35	0.95	1.7	26.9	1686	50
V1305001GR000	5	0.5	0.40	0.7	6.5	73	16
V1305011GR000	5	0.75	0.40	0.7	7	89	16
V1305021GR000	5	1	0.40	0.7	7.6	107	16
V1305031GR000	5	1.5	0.40	0.8	8.6	142	20
V1305041GR000	5	2.5	0.50	0.9	10.4	216	25
V1305051GR000	5	4	0.6	1.1	12.7	325	32
V1305061GR000	5	6	0.65	1.2	14.6	449	25
V1305071GR000	5	10	0.75	1.4	18.5	738	32
V1305081GR000	5	16	0.75	1.5	20.9	1050	40
V1305091GR000	5	25	0.90	1.7	26.1	1588	50
V1307001GR000	7	0.5	0.40	0.7	7	89	13
V1307011GR000	7	0.75	0.40	0.7	7.6	112	16
V1307021GR000	7	1	0.40	0.8	8.4s	139	20
V1307031GR000	7	1.5	0.40	0.8	9.3	180	20
V1307041GR000	7	2.5	0.50	1	11.5	283	25
V1312001GR000	12	0.5	0.40	0.8	9.2	143	20
V1312011GR000	12	0.75	0.40	0.8	10	181	25
V1312021GR000	12	1	0.40	1	11.2	230	25
V1312031GR000	12	1.5	0.40	1.1	12.7	307	32
V1318011GR000	18	0.75	0.40	1.1	12.2	274	32
V1318021GR000	18	1	0.40	1.1	13.2	331	32
V1318031GR000	18	1.5	0.40	1.2	14.9	443	32
V1325011GR000	25	0.75	0.40	1.2	14.6	367	32
V1325021GR000	25	1	0.40	1.2	15.8	444	32
V1325031GR000	25	1.5	0.40	1.3	17.9	596	32

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.