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

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

bsi. Cable Testing Verification KITEMARK™
KM 662609

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

STANDARDS

VDE 0207-303-7, VDE 0482-332-1-2, VDE 0482-332-3-24, VDE 0482-754-1/2, VDE 0482-1034-2,
BS EN/IEC 61034-1/2, BS EN/IEC 60754-1/2

Flame Retardant according to BS EN/IEC 60332-1-2,
BS EN/IEC 60332-3-24

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.

UKAS ISO/IEC 17025 Accredited Testing Laboratory 8578
bsi. ISO 9001 Quality Management FS 672069
ISO 14001 Environmental Management EMS 672067
OHSAS 18001 Occupational Health and Safety Management OHS 672066

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™.

bsi. RoHS Trusted KITEMARK™ KM 634267 · RoHS · CE · CPR COMPLIANT EN 50575

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	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

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ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITES 30°C CONTINOUS 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