



# Veriflex® 2XSLCH LSZH Servo Cable



Eland Product Group: V04

## APPLICATION

Veriflex® double screened low capacitance motor supply cable for frequency converters. The screen protects against external interference pulses and ensures an interference-free transmission

## CHARACTERISTICS

### Voltage Rating

0.6/1kV

### Temperature Rating

Fixed: -30°C to +80°C

Flexed: -5°C to +40°C

### Minimum Bending Radius

Fixed: 7.5 x overall diameter

Flexed: 15 x overall diameter

## CONSTRUCTION

### Conductor

Class 5 flexible plain copper

### Insulation

XLPE (Cross-linked Polyethylene)

### Separator

PET (Polyester Tape)

### Screen 1

Al/PET (Aluminium Polyester Tape)

### Screen 2

TCWB (Tinned Copper Wire Braid)

### Sheath

LSZH (Low Smoke Zero Halogen)

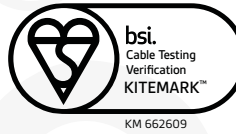
### Core Identification

● Green/Yellow ● Brown ● Black ● Grey

### Sheath Colour

● Black

## BSI KITEMARK™ TESTED



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

## STANDARDS

BS EN/IEC 60228, DIN EN 50267-2, BS EN/IEC 61034-1/2, BS EN/IEC 60754-1/2

Flame Retardant according to DIN/BS EN/IEC 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.



## 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™.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V0404032BK000	4	1.5	9.8	159
V0404042BK000	4	2.5	11.4	225
V0404052BK000	4	4	12.7	297
V0404062BK000	4	6	14.1	398
V0404072BK000	4	10	16.9	611
V0404082BK000	4	16	19.5	885
V0404092BK000	4	25	24.2	1339
V0404102BK000	4	35	27.5	1782
V0404112BK000	4	50	31.1	2447
V0404122BK000	4	70	36.4	3391
V0404132BK000	4	95	42.7	4584
V0404142BK000	4	120	47.7	5721
V0404152BK000	4	150	54.3	7220
V0404162BK000	4	185	60.9	8954
V0404172BK000	4	240	68.1	11400

## With Split Earth Conductor

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Earth Conductor		
V0403032BK000	3+3	1.5	0.25	11.4	140
V0403042BK000	3+3	2.5	0.5	12.2	220
V0403052BK000	3+3	4	0.75	14.4	323
V0403062BK000	3+3	6	1.0	15.7	420
V0403072BK000	3+3	10	1.5	18	615
V0403082BK000	3+3	16	2.5	20.2	819
V0403092BK000	3+3	25	4	23.8	1325
V0403102BK000	3+3	35	6	26.9	1718
V0403112BK000	3+3	50	10	32.6	2399
V0403122BK000	3+3	70	10	36.4	3056
V0403132BK000	3+3	95	16	42	4162
V0403142BK000	3+3	120	16	47.8	5074
V0403152BK000	3+3	150	25	51.6	6128
V0403162BK000	3+3	185	35	56.5	7500
V0403172BK000	3+3	240	50	65.1	9770



Click here for more information:

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ELAND  
CABLES

## 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
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
50	168	0.386
70	207	0.272
95	250	0.206
120	292	0.161
150	335	0.129
185	382	0.106
240	453	0.0801

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.