

**ELAND**<sup>®</sup>  
CABLES

# Veriflex<sup>®</sup> 2XSLCH LSZH Servo Cable



Eland Product Group: V04

## APPLICATION

Veriflex<sup>®</sup> 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

### Test Voltage

4kV

### 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 wires

### Insulation

XLPE (Cross-linked Polyethylene)

### Separator

Aluminium Tape

### Screen 1

Al/PET (Aluminium Polyester Tape)

### Screen 2

TCWB (Tinned Copper Wire Braid)

### Sheath

FRNC-LSZH (Flame Retardant Non Corrosive - Low Smoke Zero Halogen)

### Core Identification

● Green/Yellow ● Brown ● Black ● Grey

### Sheath Colour

● Black

## STANDARDS

IEC 60228, DIN EN 50267-2, IEC 60754-1&2

Flame Retardant according to DIN EN 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<sup>®</sup>, 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<sup>®</sup> as meeting the requirements of the BSI RoHS Trusted Kitemark<sup>™</sup>.



## 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

## 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

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.