

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

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

PET (Polyester 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

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

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[®], 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 OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	HUMMEL EMC EARTHING GLAND SIZE
V0404032BK000	4	1.5	9.8	159	20
V0404042BK000	4	2.5	11.4	225	25
V0404052BK000	4	4	12.7	297	32
V0404062BK000	4	6	14.1	398	32
V0404072BK000	4	10	16.9	611	32
V0404082BK000	4	16	19.5	885	40
V0404092BK000	4	25	24.2	1339	40
V0404102BK000	4	35	27.5	1782	50
V0404112BK000	4	50	31.1	2447	63
V0404122BK000	4	70	36.4	3391	63
V0404132BK000	4	95	42.7	4584	63
V0404142BK000	4	120	47.7	5721	63 x 1.5 Plus
V0404152BK000	4	150	54.3	7220	75 x 1.5
V0404162BK000	4	185	60.9	8954	75 x 1.5 Plus
V0404172BK000	4	240	68.1	11400	90

With Split Earth Conductor

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	HUMMEL EMC EARTHING GLAND SIZE
		Conductor	Earth Conductor			
V0403032BK000	3+3	1.5	0.25	11.4	140	20
V0403042BK000	3+3	2.5	0.5	12.2	220	25
V0403052BK000	3+3	4	0.75	14.4	323	32
V0403062BK000	3+3	6	1.0	15.7	420	32
V0403072BK000	3+3	10	1.5	18	615	32
V0403082BK000	3+3	16	2.5	20.2	819	40
V0403092BK000	3+3	25	4	23.8	1325	40
V0403102BK000	3+3	35	6	26.9	1718	50
V0403112BK000	3+3	50	10	32.6	2399	50
V0403122BK000	3+3	70	10	36.4	3056	63
V0403132BK000	3+3	95	16	42	4162	63
V0403142BK000	3+3	120	16	47.8	5074	63
V0403152BK000	3+3	150	25	51.6	6128	63 x 1.5 Plus
V0403162BK000	3+3	185	35	56.5	7500	75 x 1.5
V0403172BK000	3+3	240	50	65.1	9770	90

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
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.