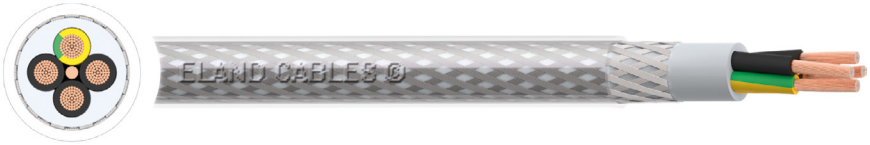
ELAND CABLES

Veriflex® SY PVC (YSLYSY) Control Cable



Eland Product Group: V02

APPLICATION

Veriflex® steel wire braided flexible connecting cables for instrumentation and control equipment, for tooling machinery production lines, and in flexible applications for free movement without tensile load. Suitable for use in dry, moist and wet rooms. The galvanised steel wire braid serves as protection against mechanical traverse loads and acts as a magnetic screen against interference. These cables are not used for outdoor or underground installation.

SY control cables are not suitable for fixed wiring applications requiring compliance with the regulations set out in BS7671.

CHARACTERISTICS

Voltage Rating
300/500V

Test Voltage
4kV

Temperature Rating
Fixed: -40°C to +80°C
Flexed: -5°C to +70°C

Minimum Bending Radius
Fixed: 4 x overall diameter
Flexed: 12.5 x overall diameter

CONSTRUCTION

Conductor
Class 5 flexible plain copper wires

Insulation
PVC (Polyvinyl Chloride)

Inner Sheath
PVC (Polyvinyl Chloride)

Armour
GSWB (Galvanised Steel Wire Braid)

Sheath
PVC (Polyvinyl Chloride)

Core Identification
● Black with white number
From 3 cores: ● Black with white number + ◐ Green/Yellow

Colour-coded cores available upon request

Sheath Colour
○ Transparent

BSI KITEMARK™ TESTED

bsi. Cable Batch 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 Batch Verification Kitemark™

STANDARDS

VDE 0207-363-3, VDE 0285-525-2-51, VDE 0285-525-1, VDE 0285-525-2-11, VDE 0482-332-1-2, VDE 819-102 (TM54)

Flame Retardant according to IEC 60332-1-2

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.

UKAS TESTING 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

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 MS BRASS GLAND SIZE
V0202012CL00000	2	0.75	0.40	0.8	7.2	79.3	16
V0202022CL00000	2	1	0.40	0.8	7.6	91	20
V0202032CL00000	2	1.5	0.40	0.8	8.2	110	20
V0202042CL000	2	2.5	0.50	0.8	9.4	147	25
V0203012CL00000	3	0.75	0.40	0.8	7.5	91.3	16
V0203021CL000	3	1	0.40	0.8	7.9	104	20
V0203031CL000	3	1.5	0.40	0.8	8.6	129	20
V0203041CL000	3	2.5	0.50	0.9	10.1	185	25
V0203051CL000	3	4	0.60	1	12	269	25
V0203061CL000	3	6	0.65	1.1	13.5	354	32
V0203071CL000	3	10	0.75	1.3	16.9	579	32
V0203081CL000	3	16	0.75	1.5	19	785	40
V0203091CL000	3	25	0.90	1.8	23.5	1211	40
V0203101CL000	3	35	0.95	2	26.7	1642	50
V0204011CL000	4	0.75	0.40	0.8	8	107	20
V0204021CL000	4	1	0.40	0.8	8.5	124	20
V0204031CL000	4	1.5	0.40	0.8	9.2	151	20
V0204041CL000	4	2.5	0.50	0.9	11.1	230	32
V0204051CL000	4	4	0.60	1.1	13.2	332	32
V0204061CL000	4	6	0.65	1.2	14.8	442	32
V0204071CL000	4	10	0.75	1.5	18.8	735	40
V0204081CL000	4	16	0.75	1.6	20.9	988	40
V0204091CL000	4	25	0.90	2	26	1536	40
V0204101CL000	4	35	0.95	2.2	30	2098	50
V0204111CL000	4	50	1.25	2.6	35.3	2968	63
V0204121CL000	4	70	1.25	3	40.5	3822	63
V0204131CL000	4	95	1.60	3.6	49.4	5369	63
V0205011CL000	5	0.75	0.40	0.8	8.5	120	20
V0205021CL000	5	1	0.40	0.8	9.1	140	20
V0205031CL000	5	1.5	0.40	0.9	10.1	182	25
V0205041CL000	5	2.5	0.50	1	12.1	266	32
V0205051CL000	5	4	0.60	1.1	14.2	382	32
V0205061CL000	5	6	0.65	1.3	16.5	525	32
V0205071CL000	5	10	0.75	1.6	20.6	873	40
V0205081CL000	5	16	0.75	1.8	23.4	1207	40
V0205091CL000	5	25	0.90	2.2	29	1875	50
V0205101CL000	5	35	0.95	2.4	32.9	2577	63
V0207011CL000	7	0.75	0.40	0.8	9.1	147	20
V0207021CL000	7	1	0.40	0.9	9.9	181	25
V0207031CL000	7	1.5	0.40	0.9	11	226	25
V0207041CL000	7	2.5	0.50	1.1	13.2	338	32
V0212011CL00000	12	0.75	0.40	1	10.9	237	25
V0212021CL00000	12	1	0.40	1	12.7	280	25
V0212031CL00000	12	1.5	0.40	1.10	14.2	365	32
V0218011CL00000	18	0.75	0.40	1.10	13.7	322	32
V0218021CL00000	18	1	0.40	1.20	14.9	396	32
V0218031CL00000	18	1.5	0.40	1.30	16.8	521	32

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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	HUMMEL MS BRASS GLAND SIZE
V0225011CL000	25	0.75	0.40	1.30	16	438	32
V0225021CL000	25	1	0.40	1.40	17.6	544	32
V0225031CL000	25	1.5	0.40	1.50	19.6	708	32

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITES 30°C CONTINOUS LOADING A	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
0.75	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	0.78
35	135	0.554
50	168	0.386
70	207	0.272
95	223	0.206