

ELAND[®]
CABLES **Veriflex[®] YY PVC (YSLY) Control Cable**

Eland Product Group: V01

APPLICATION

Veriflex[®] flexible YY control cable for instrumentation and control equipment, for tooling machinery production lines, and in flexible applications for free movement without tensile load. Suitable in dry, ambient, wet places. These indoor cables are not used for external or underground installation.

YY 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)

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

● Grey

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.

**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 THICKNESS OF INSULATION mm	NOMINAL OUTER SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V0102001GR000	2	0.5	0.40	0.7	4.8	36
V0102011GR000	2	0.75	0.40	0.7	5.2	46
V0102021GR000	2	1	0.40	0.7	5.6	56
V0102031GR000	2	1.5	0.40	0.8	6.4	73
V0102041GR000	2	2.5	0.50	0.9	7.6	113
V0103001GR000	3	0.5	0.40	0.7	5.1	44
V0103011GR000	3	0.75	0.40	0.7	5.5	55
V0103021GR000	3	1	0.40	0.8	6.1	69
V0103031GR000	3	1.5	0.40	0.8	6.8	91
V0103041GR000	3	2.5	0.50	0.9	8.3	140
V0103051GR000	3	4	0.60	1	10	210
V0103061GR000	3	6	0.65	1.10	11.5	293
V0103071GR000	3	10	0.75	1.40	14.9	500
V0103081GR000	3	16	0.75	1.50	16.8	704
V0103091GR000	3	25	0.90	1.80	21.1	1080
V0104001GR000	4	0.5	0.40	0.7	5.5	54
V0104011GR000	4	0.75	0.40	0.8	6.2	70
V0104021GR000	4	1	0.40	0.8	6.7	85
V0104031GR000	4	1.5	0.40	0.9	7.6	116
V0104041GR000	4	2.5	0.50	1	9.3	179
V0104051GR000	4	4	0.60	1.10	11.2	269
V0104061GR000	4	6	0.65	1.20	12.8	374
V0104071GR000	4	10	0.75	1.50	16.6	608
V0104081GR000	4	16	0.75	1.60	18.7	844
V0104091GR000	4	25	0.90	2	23.6	1327
V0104101GR000	4	35	0.95	2.20	27.2	1790
V0105001GR000	5	0.5	0.40	0.8	6.2	64
V0105011GR000	5	0.75	0.40	0.8	6.7	83
V0105021GR000	5	1	0.40	0.9	7.5	104
V0105031GR000	5	1.5	0.40	0.9	8.3	136
V0105041GR000	5	2.5	0.50	1.10	10.3	213
V0105051GR000	5	4	0.60	1.20	12.4	321
V0105061GR000	5	6	0.65	1.30	14.3	447
V0105071GR000	5	10	0.75	1.60	18.4	760
V0105081GR000	5	16	0.75	1.80	20.9	1064
V0105091GR000	5	25	0.90	2.20	26.4	1673
V0105101GR000	5	35	0.95	2.40	30.3	2252
V0107001GR000	7	0.5	0.40	0.8	6.7	81
V0107011GR000	7	0.75	0.40	0.9	7.5	108
V0107021GR000	7	1	0.40	0.9	8.1	130
V0107031GR000	7	1.5	0.40	1	9.2	177
V0107041GR000	7	2.5	0.50	1.10	11.2	277
V0107051GR000	7	4	0.60	1.30	13.7	423
V0107061GR000	7	6	0.65	1.40	15.7	593
V0108011GR000	8	0.75	0.40	0.9	8.1	120
V0108021GR000	8	1	0.40	1	9	150
V0108031GR000	8	1.5	0.40	1	10	200

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
V0112001GR00000	12	0.5	0.40	1	9.1	139
V0112011GR00000	12	0.75	0.40	1	9.9	179
V0112021GR00000	12	1	0.40	1.10	10.9	225
V0112031GR00000	12	1.5	0.40	1.20	12.4	302
V0118001GR00000	18	0.5	0.40	1.1	10.7	201
V0118011GR00000	18	0.75	0.40	1.20	11.9	230
V0118021GR00000	18	1	0.40	1.20	12.9	324
V0118031GR00000	18	1.5	0.40	1.40	14.8	446
V0118041GR000	18	2.5	0.50	1.60	18.2	704
V0125001GR000	25	0.5	0.40	1.2	12.9	285
V0125011GR000	25	0.75	0.40	1.30	14.3	372
V0125021GR000	25	1	0.40	1.40	15.7	462
V0125031GR000	25	1.5	0.40	1.60	18	627
V0125041GR000	25	2.5	0.50	1.90	22.3	997
V0134011GR000	34	0.75	0.40	1.50	16.3	492
V0134021GR000	34	1	0.40	1.60	17.9	617
V0134031GR000	34	1.5	0.40	1.70	20.2	833
V0134041GR000	34	2.5	0.50	2.10	25.2	1337
V0150021GR000	50	1	0.40	1.80	21	869
V0150031GR000	50	1.5	0.40	2	23.8	1186
V0150041GR000	50	2.5	0.50	2.40	29.6	1898
V0161021GR000	61	1	0.40	1.90	22.7	1031

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
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

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.