

ELAND[®]
CABLES **Veriflex[®] Polyurethane Cable**

Eland Product Group: V05

APPLICATION

Veriflex[®] flexible PUR sheathed cable for tooling machinery, production lines, and flexible applications with free movement and low tensile load. Suitable for dry, ambient and wet environments. They are resistant to oil, many chemicals, abrasion, and mechanical stress. These cables can be used in outdoor applications in fixed installations.

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: 10 x overall diameter**CONSTRUCTION****Conductor**
Class 5 flexible plain copper wires**Insulation**
PVC (Polyvinyl Chloride)**Separator**
Non-woven polyester tape**Sheath**
PUR (Polyurethane)**Core Identification**
● Black with white number
From 3 cores: ● Black with white number + ● Green/Yellow**Sheath Colour**
● Grey**STANDARDS**VDE 0295, VDE 0293-334, VDE 0293-308,
VDE 0285-525-1, VDE 0285-525-2-51**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
V0502001GR000	2	0.50	0.40	0.8	5.1	36
V0502011GR000	2	0.75	0.40	0.8	5.5	44
V0502021GR000	2	1	0.40	0.8	5.9	52
V0502031GR000	2	1.5	0.40	0.8	6.5	65
V0503011GR000	3	0.75	0.40	0.8	5.8	53
V0503021GR000	3	1	0.40	0.8	6.2	62
V0503031GR000	3	1.5	0.40	0.8	6.9	81
V0503041GR000	3	2.5	0.50	0.9	8.4	125
V0504011GR000	4	0.75	0.40	0.8	6.3	65
V0504021GR000	4	1	0.40	0.8	6.8	78
V0504031GR000	4	1.5	0.40	0.9	7.7	106
V0504041GR000	4	2.5	0.50	1	9.4	164
V0504062GR000	4	10	0.65	1.5	18.4	683
V0504082GR000	4	16	0.65	1.6	20.5	957
V0504092GR000	4	25	0.70	1.8	25.4	1432
V0504102GR000	4	35	0.70	1.9	29.4	1941
V0505011GR000	5	0.75	0.40	0.8	6.8	78
V0505021GR000	5	1	0.40	0.9	7.6	99
V0505031GR000	5	1.5	0.40	0.9	8.4	129
V0505041GR000	5	2.5	0.50	1.1	10.4	206
V0505051GR000	5	4	0.60	1.2	10.3	192
V0505061GR000	5	6	0.65	1.4	14.6	447
V0507011GR000	7	0.75	0.40	0.9	7.6	104
V0507021GR000	7	1	0.40	0.9	8.2	126
V0507031GR000	7	1.5	0.40	1	9.3	171
V0512011GR00000	12	0.75	0.40	1.1	10.2	177
V0510021GR000	12	1	0.40	1.1	11	214
V0512031GR00000	12	1.5	0.40	1.2	12.5	289
V0518011GR00000	18	0.75	0.40	1.2	12	256
V0518021GR000	18	1	0.40	1.3	13.2	319
V0518031GR00000	18	1.5	0.40	1.4	14.9	430
V0525011GR000	25	0.75	0.40	1.4	14.6	360
V0525021GR000	25	1	0.40	1.5	16	447
V0525031GR000	25	1.5	0.40	1.6	18.1	601

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITES 30°C CONTINUOUS 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

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.