



# Veriflex® CY PVC (YSLCY) Control Cable



Eland Product Group: V03

## APPLICATION

Veriflex® screened 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. These cables are not used for outdoor or underground installation.

## CHARACTERISTICS

**Voltage Rating**  
300/500V

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

**Minimum Bending Radius**  
Fixed: 6 x overall diameter  
Flexed: 15 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 5 flexible plain copper

**Insulation**  
PVC (Polyvinyl Chloride)

**Separator**  
PET (Polyester Tape)

**Screen**  
TCWB (Tinned Copper 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**  
● Grey

## BSI KITEMARK™ TESTED



Cables are tested and verified by The Cable Lab® to confirm they meet the quality standards required of the BSI Cable TESTED Verification Kitemark™.

## STANDARDS

VDE 0207-363-3, VDE 819-102 (TM54)

Flame Retardant according to IEC/EN 60332-1-2

## THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](http://www.elandcables.com/company/about-us/esg-sustainability)



SCIENCE  
BASED  
TARGETS

**BUSINESS  
AMBITION FOR 1.5°C**



## REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



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 <sup>2</sup>	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V0302001GR000	2	0.5	0.40	0.8	5.4	41
V0302011GR000	2	0.75	0.40	0.9	6.1	52
V0302021GR000	2	1	0.40	0.9	6.5	60
V0302031GR000	2	1.5	0.40	0.9	7.1	74
V0303001GR000	3	0.5	0.40	0.8	5.8	51
V0303011GR000	3	0.75	0.40	0.9	6.4	65
V0303021GR000	3	1	0.40	0.9	6.8	76
V0303031GR000	3	1.5	0.40	0.9	7.5	98
V0303041GR000	3	2.5	0.50	1.0	9.0	146
V0304001GR000	4	0.5	0.40	0.8	6.2	64
V0304011GR000	4	0.75	0.40	0.9	6.9	82
V0304021GR000	4	1	0.40	0.9	7.4	96
V0304031GR000	4	1.5	0.40	0.9	8.1	122
V0304041GR000	4	2.5	0.50	1.1	10.0	190
V0304051GR000	4	4	0.60	1.2	11.9	283
V0304061GR000	4	6	0.65	1.3	13.5	386
V0304071GR000	4	10	0.75	1.5	17.1	630
V0304081GR000	4	16	0.75	1.6	20.4	910
V0304091GR000	4	25	0.90	1.8	24.4	1364
V0304101GR000	4	35	0.95	1.9	28.0	1814
V0305001GR000	5	0.5	0.40	0.8	6.7	77
V0305011GR000	5	0.75	0.40	0.9	7.4	97
V0305021GR000	5	1	0.40	0.9	8.0	116
V0305031GR000	5	1.5	0.40	1.0	9.0	152
V0305041GR000	5	2.5	0.50	1.1	10.8	228
V0305051GR000	5	4	0.60	1.2	12.9	332
V0305061GR000	5	6	0.65	1.3	14.8	457
V0305071GR000	5	10	0.75	1.5	18.7	749
V0305081GR000	5	16	0.75	1.7	22.6	1125
V0305091GR000	5	25	0.90	1.9	27.0	1683
V0307001GR000	7	0.5	0.40	0.8	7.2	93
V0307011GR000	7	0.75	0.40	0.9	8.0	121
V0307021GR000	7	1	0.40	1.0	8.8	148
V0307031GR000	7	1.5	0.40	1.0	9.7	191
V0307041GR000	7	2.5	0.50	1.1	11.7	290
V0312001GR00000	12	0.5	0.40	1.0	9.6	154
V0312011GR00000	12	0.75	0.40	1.0	10.4	193
V0312021GR00000	12	1	0.40	1.1	11.4	236
V0312031GR00000	12	1.5	0.40	1.2	12.9	315
V0318011GR00000	18	0.75	0.40	1.2	12.4	281
V0318021GR00000	18	1	0.40	1.2	13.4	339
V0318031GR00000	18	1.5	0.40	1.3	15.1	452
V0325011GR00000	25	0.75	0.40	1.3	14.8	331
V0325021GR00000	25	1	0.40	1.3	16.0	461
V0325031GR00000	25	1.5	0.40	1.4	18.1	616

## 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
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.