



# LiYCY Cable



Eland Product Group: V62

## APPLICATION

LiYCY cable can be used for signal transmission between electronic devices, in computer systems or process control units with increased electromagnetic compatibility requirements.

## CHARACTERISTICS

**Voltage Rating (U<sub>0</sub>/U)**  
250/250V

**Voltage Test**  
1.2kV

**Temperature Rating**  
Fixed: -30°C to +180°C  
Installation: -5°C to +70°C

**Minimum Bending Radius**  
Fixed Installation: 6 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 5 Fine Stranded Bare Copper

**Insulation**  
PVC (Polyvinyl chloride)

**Screen**  
TCWB (Tinned Copper Wire Braid)

**Outer Sheath**  
PVC (Polyvinyl chloride)

### Core Identification

- 2 Core: ○ White ● Brown
- 3 Core: ○ White ● Brown ● Green
- 4 Core: ○ White ● Brown ● Green ● Yellow
- 5 Core: ○ White ● Brown ● Green ● Yellow ● Grey
- 6 Core: ○ White ● Brown ● Green ● Yellow ● Grey ● Pink
- Larger sizes: 6 Core colours + following colours in addition
- 7 Core: ● Blue
- 8 Core: ● Red
- 10 Core: ● Black ● Violet
- 12 Core: ● Grey/Pink ● Red/Blue
- 14 Core: ● White/Green ● Brown/Green
- 15 Core: ● White/Yellow
- 16 Core: ● Yellow/Brown
- 18 Core: ● White/Grey ● Grey/Brown
- 20 Core: ● White/Pink ● Pink/Brown
- 21 Core: ● White/Blue
- 24 Core: ● Brown/Blue ● White/Red ● Brown/Red
- 25 Core: ● White/Black
- 30 Core: ● Brown/Black ● Grey/Green ● Yellow/Grey ● Pink/Green ● Yellow/Pink

**Sheath Colour**  
● Grey

## STANDARDS

VDE 0482-332-1-2, EN 60811-2-

Fire Retardant according to: IEC 60332-1

## ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited 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 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<br>mm <sup>2</sup> | NOMINAL OVERALL DIAMETER<br>mm | NOMINAL WEIGHT<br>kg/km |
|----------------|--------------|---|--------------------------------|-------------------------|
| V6202222GR000  | 2            | 0.14  | 3.9                            | 21                      |
| V6202232GR000  | 2            | 0.25  | 4.6                            | 28                      |
| V6202242GR000  | 2            | 0.34  | 4.8                            | 31                      |
| V6202002GR000  | 2            | 0.5   | 5                              | 36                      |
| V6202012GR000  | 2            | 0.75  | 6.7                            | 62                      |
| V6202022GR000  | 2            | 1   | 7                              | 74                      |
| V6202032GR000  | 2            | 1.5   | 7.7                            | 86                      |
| V6203222GR000  | 3            | 0.14  | 4                              | 40                      |
| V6203232GR000  | 3            | 0.25  | 4.8                            | 34                      |
| V6203242GR000  | 3            | 0.34  | 5                              | 38                      |
| V6203002GR000  | 3            | 0.5   | 5.3                            | 45                      |
| V6203012GR000  | 3            | 0.75  | 7                              | 73                      |
| V6203022GR000  | 3            | 1   | 7.3                            | 89                      |
| V6203032GR000  | 3            | 1.5   | 8                              | 107                     |
| V6204222GR000  | 4            | 0.14  | 4.2                            | 43                      |
| V6204232GR000  | 4            | 0.25  | 5.2                            | 40                      |
| V6204242GR000  | 4            | 0.34  | 5.4                            | 46                      |
| V6204002GR000  | 4            | 0.5   | 5.7                            | 54                      |
| V6204012GR000  | 4            | 0.75  | 7.6                            | 92                      |
| V6204022GR000  | 4            | 1   | 8                              | 107                     |
| V6204032GR000  | 4            | 1.5   | 9                              | 129                     |
| V6205222GR000  | 5            | 0.14  | 4.6                            | 47                      |
| V6205232GR000  | 5            | 0.25  | 5.7                            | 47                      |
| V6205242GR000  | 5            | 0.34  | 5.9                            | 54                      |
| V6205002GR000  | 5            | 0.5   | 6.4                            | 67                      |
| V6205012GR000  | 5            | 0.75  | 8.2                            | 110                     |
| V6205022GR000  | 5            | 1   | 8.6                            | 132                     |
| V6205032GR000  | 5            | 1.5   | 10                             | 150                     |
| V6206222GR000  | 6            | 0.14  | 4.9                            | 52                      |
| V6206232GR000  | 6            | 0.25  | 6.3                            | 54                      |
| V6206242GR000  | 6            | 0.34  | 6.6                            | 62                      |
| V6206002GR000  | 6            | 0.5   | 6.9                            | 76                      |
| V6206012GR000  | 6            | 0.75  | 9.1                            | 128                     |
| V6207222GR000  | 7            | 0.14  | 5                              | 54                      |
| V6207232GR000  | 7            | 0.25  | 6.3                            | 61                      |
| V6207242GR000  | 7            | 0.34  | 6.7                            | 70                      |
| V6207002GR000  | 7            | 0.5   | 7                              | 84                      |
| V6207012GR000  | 7            | 0.75  | 9.7                            | 145                     |
| V6207022GR000  | 7            | 1   | 9.2                            | 158                     |
| V6207032GR000  | 7            | 1.5   | 10.8                           | 192                     |
| V6208222GR000  | 8            | 0.14  | 6                              | 58                      |
| V6208232GR000  | 8            | 0.25  | 6.4                            | 66                      |
| V6208242GR000  | 8            | 0.34  | 7                              | 76                      |
| V6208002GR000  | 8            | 0.5   | 7.3                            | 107                     |
| V6208012GR000  | 8            | 0.75  | 9.8                            | 151                     |
| V6208022GR000  | 8            | 1   | 10.5                           | 179                     |
| V6209232GR000  | 10           | 0.25  | 6.7                            | 80                      |
| V6209002GR000  | 10           | 0.5   | 8.8                            | 134                     |



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|----------------|--------------|---|--------------------------------|-------------------------|
| V6209012GR000  | 10           | 0.75  | 11.7                           | 182                     |
| V6209022GR000  | 10           | 1   | 11.5                           | 215                     |
| V6210222GR000  | 12           | 0.14  | 6.7                            | 81                      |
| V6210232GR000  | 12           | 0.25  | 4.6                            | 28                      |
| V6210242GR000  | 12           | 0.34  | 9                              | 128                     |
| V6210002GR000  | 12           | 0.5   | 9.5                            | 155                     |
| V6210012GR000  | 12           | 0.75  | 12                             | 216                     |
| V6210022GR000  | 12           | 1   | 12                             | 254                     |
| V6210032GR000  | 12           | 1.5   | 14                             | 315                     |
| V6211232GR000  | 14           | 0.25  | 8                              | 120                     |
| V6211242GR000  | 14           | 0.34  | 9.5                            | 141                     |
| V6212232GR000  | 15           | 0.25  | 9.4                            | 127                     |
| V6213222GR000  | 16           | 0.14  | 7.3                            | 97                      |
| V6213232GR000  | 16           | 0.25  | 9.6                            | 135                     |
| V6213002GR000  | 16           | 0.5   | 10.7                           | 186                     |
| V6214232GR000  | 18           | 0.25  | 10                             | 150                     |
| V6214012GR000  | 18           | 0.75  | 13.9                           | 311                     |
| V6214032GR000  | 18           | 1.5   | 15.5                           | 450                     |
| V6215222GR000  | 20           | 0.14  | 7.8                            | 116                     |
| V6215232GR000  | 20           | 0.25  | 10.2                           | 157                     |
| V6215002GR000  | 20           | 0.5   | 11.6                           | 239                     |
| V6216232GR000  | 21           | 0.25  | 10.5                           | 163                     |
| V6218002GR000  | 25           | 0.5   | 13.4                           | 313                     |
| V6218012GR000  | 25           | 0.75  | 16.6                           | 404                     |
| V6219242GR000  | 30           | 0.34  | 13.3                           | 282                     |

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.