

# Control PUR-JZ Screened Cable



Eland Product Group: V41

## APPLICATION

These Screened Polyurethane cables are highly resistant against wear and tear. The oil and coolant resistance allows application in industrial environments, machine building, engineering or steel works. This cable is suitable for medium mechanical stress without tension load and forced guiding.

## CHARACTERISTICS

**Voltage Rating** Uo/U  
300/500V

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

**Minimum Bending Radius**  
Fixed: 5 x overall diameter  
Flexed: 10 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 5 flexible stranded bare copper

**Insulation**  
PVC Compound (Polyvinyl Chloride)

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

**Outer Sheath**  
PUR (Polyurethane)

**Core Identification**  
● Black numbered + ● Green/Yellow

**Sheath Colour**  
● Grey

## STANDARDS

IEC/EN 60811-404

Fire Retardant according to IEC/EN 60332-1

## THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECCE 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)



## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## 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 |
|----------------|--------------|-------------------------------------------------|--------------------------------|-------------------------|
| V4102021GY000  | 2            | 1                                               | 6.1                            | 66                      |
| V4102031GY000  | 2            | 1.5                                             | 7.1                            | 92                      |
| V4103021GY000  | 3            | 1                                               | 6.3                            | 82                      |
| V4103031GY000  | 3            | 1.5                                             | 6.9                            | 135                     |
| V4103041GY000  | 3            | 2.5                                             | 8.6                            | 178                     |
| V4104021GY000  | 4            | 1                                               | 6.9                            | 129                     |
| V4104031GY000  | 4            | 1.5                                             | 7.5                            | 146                     |
| V4104041GY000  | 4            | 2.5                                             | 9.9                            | 215                     |
| V4104051GY000  | 4            | 4                                               | 11.7                           | 308                     |
| V4104061GY000  | 4            | 6                                               | 14.2                           | 427                     |
| V4105021GY000  | 5            | 1                                               | 7.5                            | 128                     |
| V4105031GY000  | 5            | 1.5                                             | 8.4                            | 159                     |
| V4105041GY000  | 5            | 2.5                                             | 11                             | 246                     |
| V4105051GY000  | 5            | 4                                               | 13.3                           | 386                     |
| V4105061GY000  | 5            | 6                                               | 15.2                           | 510                     |
| V4107021GY000  | 7            | 1                                               | 8.9                            | 174                     |
| V4107031GY000  | 7            | 1.5                                             | 10                             | 207                     |
| V4107041GY000  | 7            | 2.5                                             | 12.6                           | 342                     |
| V4110021GY000  | 12           | 1                                               | 10.9                           | 262                     |
| V4110031GY000  | 12           | 1.5                                             | 12.1                           | 352                     |
| V4110041GY000  | 12           | 2.5                                             | 15.5                           | 580                     |
| V4114021GY000  | 18           | 1                                               | 13.9                           | 388                     |
| V4114031GY000  | 18           | 1.5                                             | 15.6                           | 516                     |
| V4114041GY000  | 18           | 2.5                                             | 19                             | 978                     |
| V4116021GY000  | 21           | 1                                               | 13.6                           | 480                     |
| V4118021GY000  | 25           | 1                                               | 15.9                           | 596                     |
| V4118031GY000  | 25           | 1.5                                             | 17.9                           | 719                     |
| V4118041GY000  | 25           | 2.5                                             | 22.2                           | 1358                    |

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.