

# Powerchain PUR Cable



Eland Product Group: V48

## APPLICATION

Flexible control cable for permanent moved applications under heavy duty conditions. The cable is halogen-free, flame retardant and resistant against most chemicals used in industrial environment.

## CHARACTERISTICS

**Voltage Rating** U<sub>o</sub>/U  
300/500V

**Temperature Rating**  
Fixed: -50°C to +80°C  
Installation: -40°C to +80°C

**Minimum Bending Radius**  
Fixed: 4 x overall diameter  
Flexed: 7.5 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 6 Fine Stranded Bare Copper

**Insulation**  
TPE/PP (Thermoplastic Elastomer / Polypropylene)

**Outer Sheath**  
PUR (Polyurethane)

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

**Sheath Colour**  
● Grey

## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V4802001GR000	2	0.5	5	36
V4802011GR000	2	0.75	5.4	57
V4802021GR000	2	1	5.8	65
V4802031GR000	2	1.5	6.8	65
V4802041GR000	2	2.5	7.8	115
V4803001GR000	3	0.5	5.2	57
V4803011GR000	3	0.75	5.7	73

## STANDARDS

VDE 0482-332-1-2, 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 mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V4803021GR000	3	1	6.1	84
V4803031GR000	3	1.5	7.2	110
V4803041GR000	3	2.5	8.2	143
V4804001GR000	4	0.5	5.7	56
V4804011GR000	4	0.75	6.3	95
V4804021GR000	4	1	6.8	111
V4804031GR000	4	1.5	8	134
V4804041GR000	4	2.5	8.9	174
V4804051GR000	4	4	11.6	257
V4804061GR000	4	6	13.6	322
V4804071GR000	4	10	17.6	585
V4804081GR000	4	16	21.2	1006
V4805011GR000	5	0.75	7.1	76
V4805021GR000	5	1	7.4	138
V4805031GR000	5	1.5	8.7	168
V4805041GR000	5	2.5	10	198
V4805051GR000	5	4	12.9	337
V4805061GR000	5	6	15.2	509
V4805071GR000	5	10	19.5	817
V4805081GR000	5	16	23.6	1172
V4807001GR000	7	0.5	7.4	79
V4807011GR000	7	0.75	8.3	106
V4807021GR000	7	1	8.9	182
V4807031GR000	7	1.5	10.5	232
V4807041GR000	7	2.5	13.8	266
V4807051GR000	7	4	15.6	479
V4807061GR000	7	6	18.3	693
V4807071GR000	7	10	23.7	1054
V4807081GR000	7	16	28.6	1709
V4812001GR000	12	0.5	9	176
V4812011GR000	12	0.75	10.1	248
V4812021GR000	12	1	10.7	261
V4812031GR000	12	1.5	12.8	305
V4812041GR000	12	2.5	14.6	421
V4818001GR000	18	0.5	10.4	186
V4818011GR000	18	0.75	11.6	252
V4818021GR000	18	1	12.8	390
V4818031GR000	18	1.5	15.2	507
V4825001GR000	25	0.5	12.7	196
V4825011GR000	25	0.75	14.1	351
V4825021GR000	25	1	15.5	445
V4825031GR000	25	1.5	18.2	647

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.