

# Powerchain CP Cable



ELAND CABLES ©

Eland Product Group: V49

## APPLICATION

Highly flexible control cable for the constantly moved equipment under extreme conditions indoor and outdoor combined with requirements to EMC. 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)

**Inner Sheath**  
PUR (Polyurethane)

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

**Outer Sheath**  
PUR (Polyurethane)

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

**Sheath Colour**  
● Grey

## 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 |
|----------------|--------------|-------------------------------------------------|--------------------------------|-------------------------|
| V4902001GR000  | 2            | 0.5                                             | 7.1                            | 91                      |
| V4902011GR000  | 2            | 0.75                                            | 7.5                            | 98                      |
| V4902021GR000  | 2            | 1                                               | 8                              | 65                      |
| V4902031GR000  | 2            | 1.5                                             | 9.1                            | 134                     |
| V4902041GR000  | 2            | 2.5                                             | 10.1                           | 198                     |

## STANDARDS

VDE 0482-332-1-2, EN 60811-404

Fire Retardant according to: IEC/EN 60332-1

## THE CABLE LAB®

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)

SCIENCE  
BASED  
TARGETSBUSINESS  
AMBIITION FOR 1.5°C

## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/853/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.





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|----------------|--------------|-------------------------------------------------|--------------------------------|-------------------------|
| V4903001GR000  | 3            | 0.5                                             | 7.4                            | 104                     |
| V4903011GR000  | 3            | 0.75                                            | 7.8                            | 120                     |
| V4903021GR000  | 3            | 1                                               | 8.5                            | 81                      |
| V4903031GR000  | 3            | 1.5                                             | 9.7                            | 109                     |
| V4903041GR000  | 3            | 2.5                                             | 10.6                           | 284                     |
| V4904001GR000  | 4            | 0.5                                             | 7.8                            | 122                     |
| V4904011GR000  | 4            | 0.75                                            | 8.3                            | 83                      |
| V4904021GR000  | 4            | 1                                               | 9                              | 96                      |
| V4904031GR000  | 4            | 1.5                                             | 10.3                           | 217                     |
| V4904041GR000  | 4            | 2.5                                             | 11.6                           | 321                     |
| V4904051GR000  | 4            | 4                                               | 14.4                           | 448                     |
| V4904061GR000  | 4            | 6                                               | 16.6                           | 612                     |
| V4904071GR000  | 4            | 10                                              | 20.8                           | 984                     |
| V4904081GR000  | 4            | 16                                              | 24.6                           | 1318                    |
| V4905001GR000  | 5            | 0.5                                             | 8.2                            | 131                     |
| V4905011GR000  | 5            | 0.75                                            | 9                              | 94                      |
| V4905021GR000  | 5            | 1                                               | 9.6                            | 168                     |
| V4905031GR000  | 5            | 1.5                                             | 11                             | 148                     |
| V4905041GR000  | 5            | 2.5                                             | 12.4                           | 293                     |
| V4905051GR000  | 5            | 4                                               | 15.7                           | 505                     |
| V4905061GR000  | 5            | 6                                               | 18.2                           | 741                     |
| V4905071GR000  | 5            | 10                                              | 22.7                           | 1058                    |
| V4905081GR000  | 5            | 16                                              | 27                             | 1710                    |
| V4907001GR000  | 7            | 0.5                                             | 9.5                            | 172                     |
| V4907011GR000  | 7            | 0.75                                            | 10.3                           | 125                     |
| V4907021GR000  | 7            | 1                                               | 11.2                           | 240                     |
| V4907031GR000  | 7            | 1.5                                             | 12.7                           | 325                     |
| V4907041GR000  | 7            | 2.5                                             | 14.7                           | 418                     |
| V4907051GR000  | 7            | 4                                               | 18.6                           | 678                     |
| V4907061GR000  | 7            | 6                                               | 21.6                           | 1028                    |
| V4907071GR000  | 7            | 10                                              | 27.1                           | 1530                    |
| V4907081GR000  | 7            | 16                                              | 32.4                           | 2087                    |
| V4912001GR000  | 12           | 0.5                                             | 11                             | 230                     |
| V4912011GR000  | 12           | 0.75                                            | 12.1                           | 308                     |
| V4912021GR000  | 12           | 1                                               | 13                             | 358.2                   |
| V4912031GR000  | 12           | 1.5                                             | 15                             | 416                     |
| V4912041GR000  | 12           | 2.5                                             | 17.5                           | 589                     |
| V4918001GR000  | 18           | 0.5                                             | 12.8                           | 321                     |
| V4918011GR000  | 18           | 0.75                                            | 13.8                           | 420                     |
| V4918021GR000  | 18           | 1                                               | 15.3                           | 418                     |
| V4918031GR000  | 18           | 1.5                                             | 17.6                           | 564                     |
| V4918041GR000  | 18           | 2.5                                             | 20.6                           | 885                     |
| V4925011GR000  | 25           | 0.75                                            | 17                             | 445                     |
| V4925021GR000  | 25           | 1                                               | 18.4                           | 641                     |
| V4925031GR000  | 25           | 1.5                                             | 21                             | 888                     |

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.