

# Powerchain CP Cable



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** Uo/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)

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

**Outer Sheath**  
PUR (Polyurethan)

**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
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

## 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 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 OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
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.