

Powerchain Cable



Eland Product Group: V46

APPLICATION

These highly-flexible data cables are suitable for continuous mobile use under extreme conditions. It is applicable in standard drag chains without tensile load.

CHARACTERISTICS

Voltage Rating U_o/U
300/500V

Temperature Rating
Fixed: -40°C to +70°C
Installation: -5°C to +70°C

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

CONSTRUCTION

Conductor
Class 6 Fine Stranded Bare Copper

Insulation
PVC/PP (Polyvinyl Chloride / Polypropylene)

Outer Sheath
PVC (Polyvinyl Chloride)

Core Identification
● Black numbered + ● Green/Yellow

Sheath Colour
● Grey

STANDARDS

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

Fire Retardant according to: IEC/EN 60332-1

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE 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



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®.





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V4602001GR000	2	0.5	6	44
V4602011GR000	2	0.75	6.4	52
V4602021GR000	2	1	6.7	60
V4602031GR000	2	1.5	7.6	80
V4602041GR000	2	2.5	9	117
V4603001GR000	3	0.5	6.3	48
V4603011GR000	3	0.75	6.9	61
V4603021GR000	3	1	7.2	71
V4603031GR000	3	1.5	8	94
V4603041GR000	3	2.5	9.7	154
V4603051GR000	3	4	11.9	238
V4603061GR000	3	6	13	312
V4604001GR000	4	0.5	6.9	60
V4604011GR000	4	0.75	7.4	74
V4604021GR000	4	1	7.8	88
V4604031GR000	4	1.5	8.9	118
V4604041GR000	4	2.5	10.6	173
V4604051GR000	4	4	13.1	284
V4604061GR000	4	6	14.4	368
V4605001GR000	5	0.5	7.5	72
V4605011GR000	5	0.75	8.3	92
V4605021GR000	5	1	8.7	109
V4605031GR000	5	1.5	10	147
V4605041GR000	5	2.5	11.8	216
V4605051GR000	5	4	14.5	352
V4605061GR000	5	6	16	498
V4607001GR000	7	0.5	9.1	104
V4607011GR000	7	0.75	10	132
V4607021GR000	7	1	10.5	156
V4607031GR000	7	1.5	12	210
V4607041GR000	7	2.5	14.5	311
V4612001GR000	12	0.5	10.9	148
V4612011GR000	12	0.75	12	190
V4612021GR000	12	1	12.8	233
V4612031GR000	12	1.5	14.6	314
V4612041GR000	12	2.5	17.5	468
V4618001GR000	18	0.5	13.1	221
V4618011GR000	18	0.75	14.3	284
V4618021GR000	18	1	15	339
V4618031GR000	18	1.5	17.4	466
V4625001GR000	25	0.5	15.8	319
V4625011GR000	25	0.75	17.3	406
V4625021GR000	25	1	18.2	489
V4625031GR000	25	1.5	21	670

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.