

Powerchain CY Cable



Eland Product Group: V47

APPLICATION

These highly-flexible data cables are suitable for continuous mobile use under extreme conditions with particular requirements on EMC. It is applicable in standard drag chains without tensile load. The cable is resistant against most chemicals used in industrial environment.

CHARACTERISTICS

Voltage Rating Uo/U
300/500V

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

Minimum Bending Radius
Fixed: 4 x overall diameter
Flexed: 10 x overall diameter

CONSTRUCTION

Conductor
Class 6 Fine Stranded Bare Copper

Insulation
PVC (Polyvinyl Chloride)

Inner Sheath
PVC (Polyvinyl Chloride)

Screen
TCWB (Tinned Copper Wire Braid)

Outer Sheath
PVC (Polyvinyl Chloride)

Core Identification
● Black numbered + ● Green/Yellow

Sheath Colour
● Grey

STANDARDS

VDE 0482-332-1-2

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 ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V4702001GR000	2	0.5	7.7	98
V4702011GR000	2	0.75	8.3	115
V4702021GR000	2	1	8.6	127
V4702031GR000	2	1.5	9.8	165
V4702041GR000	2	2.5	11.2	223
V4703001GR000	3	0.5	8	107
V4703011GR000	3	0.75	8.9	132
V4703021GR000	3	1	9.2	146
V4703031GR000	3	1.5	10.3	186
V4703041GR000	3	2.5	11.8	253
V4703051GR000	3	4	13.8	366
V4703061GR000	3	6	15.1	465
V4704001GR000	4	0.5	9	131
V4704011GR000	4	0.75	9.4	151
V4704021GR000	4	1	10	173
V4704031GR000	4	1.5	11.2	221
V4704041GR000	4	2.5	12.9	311
V4704051GR000	4	4	15.2	451
V4704061GR000	4	6	17.1	596
V4705001GR000	5	0.5	9.8	153
V4705011GR000	5	0.75	10.3	177
V4705021GR000	5	1	10.7	199
V4705031GR000	5	1.5	12	256
V4705041GR000	5	2.5	14.1	369
V4705051GR000	5	4	17.2	570
V4705061GR000	5	6	18.7	710
V4707001GR000	7	0.5	11.3	201
V4707011GR000	7	0.75	12	234
V4707021GR000	7	1	12.8	277
V4707031GR000	7	1.5	14.3	357
V4707041GR000	7	2.5	17.4	538
V4712001GR000	12	0.5	13.2	272
V4712011GR000	12	0.75	14.3	328
V4712021GR000	12	1	15.1	380
V4712031GR000	12	1.5	17.5	528
V4712041GR000	12	2.5	20.4	746
V4718001GR000	18	0.5	15.6	379
V4718011GR000	18	0.75	17.2	483
V4718021GR000	18	1	17.9	549
V4718031GR000	18	1.5	20.3	726
V4725001GR000	25	0.5	18.7	539
V4725011GR000	25	0.75	20.2	652
V4725021GR000	25	1	21.1	744
V4725031GR000	25	1.5	24.3	1009

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.