

Screened Polyurethane Cable

Eland Product Group: **V41**

APPLICATION

These Screened Polyurethane cables are highly resistant against wear and tear. The oil and coolant resistance allows application in industrial environments, machine building, engineering or steel works. This cable is suitable for medium mechanical stress without tension load and forced guiding. These cables can be used indoor and outdoor.

CONSTRUCTION

Conductor

Class 5 Fine Stranded Bare Copper

Insulation

Special PVC Compound (Polyvinyl Chloride)

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PUR (Polyurethane)

CABLE STANDARDS

VDE 0482-332-1-2/IEC 60332-1, EN 60811-2-1



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Conductor Maximum Temperature

70°C

Temperature Range

Fixed: -40°C to +80°C

Installation: -5°C to +80°C

Minimum Bending Radius

Fixed Installation: 5 x overall diameter

Moved Application: 10 x overall diameter

Transfer Impedance

250 Ohm/km

Nominal Voltage U₀/U

300/500V

Test Voltage

3kV

Core Identification

● Black numbered + ● Green/Yellow

Sheath Colour

● Grey

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OUTER DIAMATER mm	NOMINAL WEIGHT kg/km
V4102021GY000	2	1	6.1	66
V4102031GY000	2	1.5	7.1	92
V4103021GY000	3	1	6.3	82
V4103031GY000	3	1.5	6.9	135
V4103041GY000	3	2.5	8.6	178
V4104021GY000	4	1	6.9	129
V4104031GY000	4	1.5	7.5	146
V4104041GY000	4	2.5	9.9	215
V4104051GY000	4	4	11.7	308
V4104061GY000	4	6	14.2	427
V4105021GY000	5	1	7.5	128
V4105031GY000	5	1.5	8.4	159
V4105041GY000	5	2.5	11	246
V4105051GY000	5	4	13.3	386
V4105061GY000	5	6	15.2	510
V4107021GY000	7	1	8.9	174
V4107031GY000	7	1.5	10	207
V4107041GY000	7	2.5	12.6	342
V4110021GY000	12	1	10.9	262
V4110031GY000	12	1.5	12.1	352
V4110041GY000	12	2.5	15.5	580
V4114021GY000	18	1	13.9	388
V4114031GY000	18	1.5	15.6	516
V4114041GY000	18	2.5	19	978
V4116021GY000	21	1	13.6	480
V4118021GY000	25	1	15.9	596
V4118031GY000	25	1.5	17.9	719
V4118041GY000	25	2.5	22.2	1358