

Servo Cable CP

Eland Product Group: **V50**

APPLICATION

Low capacity connection cable between servo controller and frequency driven motor. The Servo Cable CP is suitable for application in machine tools and drag chains with medium mechanical stress.

CONSTRUCTION

Conductor

Class 6 Fine Stranded Bare Copper

Insulation

PP (Polypropylen)

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PUR (Polyurethane)

CABLE STANDARDS

Siemens Standard 6FX8008+, EN 60811-2-1,
VDE 0482-332-1-2/IEC 60332-1



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

Temperature Range

Fixed: -50°C to +80°C

Installation: -40°C to +80°C

Minimum Bending Radius

Fixed Installation: 5 x overall diameter

Moved Application: 7.5 x overall diameter

Nominal Voltage U₀/U

0.6/1kV

Test Voltage

4kV

Core Identification

● Black numbered + ● Green/Yellow

Sheath Colour

● Orange

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OUTER DIAMATER mm	NOMINAL WEIGHT kg/km
V5004031OR000	4	1.5	9	159
V5004041OR000	4	2.5	10.6	235
V5004051OR000	4	4	11.9	323
V5004061OR000	4	6	14.7	464
V5004071OR000	4	10	17.5	672
V5004081OR000	4	16	21.6	1089
V5004091OR000	4	25	25.4	1523
V5004101OR000	4	35	28.6	2080
V5004111OR000	4	50	33.4	2710
V5004121OR000	4	70	42.5	4123

Earth Conductor

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²		NOMINAL OUTER DIAMATER mm	NOMINAL WEIGHT kg/km
		First Conductor	Second Conductor		
V5004033OR000	4+2	1.5	1.5	11.6	244
V5004043OR000	4+2	2.5	1.5	13.4	310
V5004053OR000	4+2	4	1.5	14.8	408
V5004063OR000	4+2	6	1.5	16.8	540
V5004073OR000	4+2	10	1.5	19.9	782
V5004083OR000	4+2	16	1.5	22.5	1101
V5004093OR000	4+2	25	1.5	26.2	1490
V5004103OR000	4+2	35	1.5	29.8	2015
V5004113OR000	4+2	50	1.5	34	2754