

# Class 2 PVC Signalling Power Supply Cable



Eland Product Group: **6**

## APPLICATION

Signalling power distribution only (not suitable for general signalling use). Rodent-proof.

## CONSTRUCTION

### Conductor

Class 1 solid, circular or sectorial-shaped aluminium conductor  
Class 2 circular or sectorial-shaped copper conductor

### Insulation

XLPE (Cross-Linked Polyethylene) Type GP8 according to BS 7655

### Rodent Protection

FGT (Fibre-Glass Tape)

### Sheath

PVC (Polyvinyl Chloride) Type 9 according to BS 7655

## CABLE STANDARDS

NR/L2/ELP/27408

### Network Rail Certificate of Acceptance

No: PA05/05446



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

### Voltage Rating (U<sub>o</sub>/U)

600/1000V

### Core Identification

2 core: ● Brown ● Black

3 core: ● Brown ● Black ● Grey

4 core: ● Brown ● Black ● Grey ● Blue

### Sheath Colour

● Black ● Red

## DIMENSIONS

### Copper Conductor

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
6/185971	2	10	20.7	521
6/185972	2	16	22.5	664
6/185973	2	25	24.9	871
6/185974	2	35	27.5	1106
6/185975	2	50	23.9	1291
6/185976	2	70	27.6	1780
6/185977	2	95	29.9	2297
6/185978	2	120	32.1	2835

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
6/140005	3	10	23.6	718
6/140006	3	16	25.5	931
6/140007	3	25	28.1	1239
6/140008	3	35	31.3	1498
6/140009	3	50	29.3	1882
6/140010	3	70	32.9	2607
6/140011	3	95	35.9	3386
6/140012	3	120	38.9	4114
6/147004	4	10	25.6	794
6/147005	4	16	27.8	1076
6/147006	4	25	30.7	1468
6/147007	4	35	34.2	1899
6/147008	4	50	32.3	2372
6/147009	4	70	36.1	3285
6/147010	4	95	39.9	4330
6/147011	4	120	43.3	5374

### Aluminium Conductor

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
6/185987	2	16	21.9	479
6/185988	2	25	23.9	561
6/185989	2	35	26.3	672
6/185990	2	50	24.4	758
6/185991	2	70	26.9	957
6/185992	2	95	29.4	1173
6/185993	2	120	31.7	1409
6/140022	3	16	24.7	435
6/140023	3	25	26.9	557
6/140024	3	35	29.8	840
6/140025	3	50	26.9	1006
6/140026	3	70	30.3	1315
6/140027	3	95	33.3	1617
6/140028	3	120	36.3	1937
6/147021	4	16	26.9	901
6/147022	4	25	29.3	1117
6/147023	4	35	32.5	1261
6/147024	4	50	26.9	1382
6/147025	4	70	30.5	1681
6/147026	4	95	33.5	2112
6/147027	4	120	36.5	2476