

# Class 2 LSZH Signalling Power Supply Cable



Eland Product Group: **6**

## APPLICATION

Signalling power distribution only (not suitable for general signalling use). Rodent-proof. For installations where fire, smoke emissions and toxic fumes create a potential risk to life and equipment.

## CONSTRUCTION

### Conductor

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

### Insulation

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

### Rodent Protection

FGT (Fibre-Glass Tape)

### Sheath

LSZH (Low Smoke Zero Halogen) Type LTS4 according to BS 7655

## DIMENSIONS

### Copper Conductor

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> | NOMINAL OVERALL DIAMETER<br>mm | NOMINAL WEIGHT<br>kg/km |
|----------------|--------------|---|--------------------------------|-------------------------|
| 6/185979       | 2            | 10  | 22.5                           | 518                     |
| 6/185980       | 2            | 16  | 24.3                           | 660                     |
| 6/185981       | 2            | 25  | 26.7                           | 868                     |
| 6/185982       | 2            | 35  | 29.7                           | 1103                    |
| 6/185983       | 2            | 50  | 32.3                           | 1287                    |
| 6/185984       | 2            | 70  | 35.7                           | 1776                    |
| 6/185985       | 2            | 95  | 39.5                           | 2292                    |
| 6/185986       | 2            | 120   | 42.9                           | 2829                    |

## CABLE STANDARDS

NR/L2/ELP/27408



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<br>mm <sup>2</sup> | NOMINAL OVERALL DIAMETER<br>mm | NOMINAL WEIGHT<br>kg/km |
|----------------|--------------|---|--------------------------------|-------------------------|
| 6/140014       | 3            | 10  | 25.8                           | 733                     |
| 6/140015       | 3            | 16  | 25.7                           | 93                      |
| 6/140016       | 3            | 25  | 28.3                           | 1242                    |
| 6/140017       | 3            | 35  | 31.5                           | 1583                    |
| 6/140018       | 3            | 50  | 34.3                           | 1909                    |
| 6/140019       | 3            | 70  | 38.3                           | 2633                    |
| 6/140020       | 3            | 95  | 42.4                           | 3409                    |
| 6/140021       | 3            | 120   | 46.1                           | 4218                    |
| 6/147013       | 4            | 10  | 25.8                           | 816                     |
| 6/147014       | 4            | 16  | 28                             | 1159                    |
| 6/147015       | 4            | 25  | 30.9                           | 1555                    |
| 6/147016       | 4            | 35  | 34.4                           | 1991                    |
| 6/147017       | 4            | 50  | 37.5                           | 2417                    |
| 6/147018       | 4            | 70  | 42.1                           | 3361                    |
| 6/147019       | 4            | 95  | 46.7                           | 4394                    |
| 6/147020       | 4            | 120   | 50.6                           | 5458                    |

## Aluminium Conductor

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> | NOMINAL OVERALL DIAMETER<br>mm | NOMINAL WEIGHT<br>kg/km |
|----------------|--------------|---|--------------------------------|-------------------------|
| 6/185994       | 2            | 16  | 23.3                           | 477                     |
| 6/185995       | 2            | 25  | 25.3                           | 557                     |
| 6/185996       | 2            | 35  | 28.1                           | 66                      |
| 6/185997       | 2            | 50  | 24.6                           | 754                     |
| 6/185998       | 2            | 70  | 27.1                           | 953                     |
| 6/185999       | 2            | 95  | 29.6                           | 1168                    |
| 6/186000       | 2            | 120   | 31.9                           | 1403                    |
| 6/140029       | 3            | 16  | 24.7                           | 759                     |
| 6/140030       | 3            | 25  | 26.9                           | 944                     |
| 6/140031       | 3            | 35  | 29.8                           | 1068                    |
| 6/140032       | 3            | 50  | 27.1                           | 1133                    |
| 6/140033       | 3            | 70  | 30.1                           | 1379                    |
| 6/140034       | 3            | 95  | 33.1                           | 1688                    |
| 6/140035       | 3            | 120   | 36.1                           | 2016                    |
| 6/147028       | 4            | 16  | 26.9                           | 952                     |
| 6/147029       | 4            | 25  | 29.3                           | 1186                    |
| 6/147030       | 4            | 35  | 32.5                           | 1266                    |
| 6/147031       | 4            | 50  | 37.1                           | 1446                    |
| 6/147032       | 4            | 70  | 40.7                           | 1663                    |
| 6/147033       | 4            | 95  | 43.7                           | 2052                    |
| 6/147034       | 4            | 120   | 46.7                           | 2459                    |