

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.

CHARACTERISTICS

Voltage Rating U_o/U
0.6/1kV

CONSTRUCTION

Conductor

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

Insulation

XLPE (Cross-Linked Polyethylene)

Rodent Protection

FGT (Fibre-Glass Tape)

Sheath

LSZH (Low Smoke Zero Halogen)

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 ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT 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

CABLE THIRD-PARTY ACCREDITATION



Network Rail (NR) certified and PADS listed as meeting the requirements for installation on their network

Network Rail Certificate of Acceptance

CABLE STANDARDS

NR/L2/ELP/27408

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.



8578



FS 672069



EMS 672067



OHS 672066

REGULATORY COMPLIANCE

This cable meets the requirements of 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™.



838 EHS287



**Copper Conductor**

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
6/185986	2	120	42.9	2829
6/140014	3	10	25.8	733
6/140015	3	16	25.7	93
6/140016	3	25	28.3	18242
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 mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT 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	7854
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

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.