



# NR/SP/ELP/40045 LSZH Points Heating Cable



Eland Product Group: A5RPH

## APPLICATION

Designed for power distribution in points heating systems. These heavy duty cables offer protection from abrasion and mechanical impact whilst maintaining flexibility to ease installation. LSZH sheathing for use in tunnels and enclosed spaces.

## CONSTRUCTION

### Conductor

Class 5 flexible tinned copper conductor

### Insulation

EPR (Ethylene Propylene Rubber)

### Sheath

LSZH (Low Smoke Zero Halogen)

### Core Identification

4 core (in order of rotation): ● Yellow ● Yellow ● Blue ● Blue  
8 core: ● Yellow ● Yellow ● Blue ● Blue ● Brown ● Brown  
● Black ● Black

### Sheath Colour

● Black

## CABLE THIRD-PARTY ACCREDITATION



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

## STANDARDS

NR/SP/ELP/40045 (previously RT/E/PS/40045) BS 7919  
BS 503663, BS 7655

## 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™.



10M E64267





## DIMENSIONS

ELAND PART NO.	NETWORK RAIL PART NO. / PADS	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NO. OF STRANDS	DIAMETER OF STRANDS mm	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	THICKNESS OF INSULATION mm
A5RPH04015LSZH	006/153115	4	1.5	30	0.25	13.8	14.3	220	0.8
A5RPH04025LSZH	006/153116	4	2.5	50	0.25	16	16.5	390	0.9
A5RPH04040LSZH	006/153117	4	4	56	0.3	18	18.5	420	1
A5RPH04060LSZH	-	4	6	75	0.3	15.4	17.4	490	1
A5RPH0410LSZH	-	4	10	73	0.4	20.8	22.8	870	1
A5RPH08015LSZH	006/153118	8	1.5	30	0.25	17.9	18.5	460	0.8
A5RPH08025LSZH	006/153119	8	2.5	50	0.25	21	21.8	690	0.9
A5RPH08040LSZH	006/153121	8	4	56	0.3	22.6	23.6	830	1
A5RPH08060LSZH	006/153122	8	6	75	0.3	24.5	25.5	1010	1
A5RPH0810LSZH	006/153123	8	10	73	0.4	29.3	31.3	1650	1.2
A5RPH0816LSZH	006/153124	8	16	114	0.4	35.2	37.2	2400	1.2

## CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
		Metal-Coated Wires
1.5	0.26	13.7
2.5	0.26	8.21
4	0.31	5.09
6	0.31	3.39
10	0.41	1.95
16	0.41	1.24

The above table is in accordance with BS EN 60228

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.