



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

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NETWORK RAIL PART NO. / PADS	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	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 ²	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.