



NR/SP/ELP/40045 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.

CONSTRUCTION

Conductor

Class 5 flexible tinned copper conductor

Insulation

EPR (Ethylene Propylene Rubber)

Sheath

PCP (Polychloroprene)

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.



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™.





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
A5RPH04015	006/150002	4	1.5	30	0.25	13.8	14.3	220	0.8
A5RPH04025	006/147000	4	2.5	50	0.25	16	16.5	390	0.9
A5RPH04040	-	4	4	56	0.3	18	18.5	420	1
A5RPH04060	-	4	6	75	0.3	15.4	17.4	490	1
A5RPH0410	-	4	10	73	0.4	20.8	22.8	870	1
A5RPH08015	006/153102	8	1.5	30	0.25	17.9	18.5	460	0.8
A5RPH08025	006/153110	8	2.5	50	0.25	21	21.8	690	0.9
A5RPH08040	006/153103	8	4	56	0.3	22.6	23.6	830	1
A5RPH08060	006/153111	8	6	75	0.3	24.5	25.5	1010	1
A5RPH0810	006/153112	8	10	73	0.4	29.3	31.3	1650	1.2
A5RPH0816	006/153113	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.