

NR/SP/ELP/40045 (Formerly RT/E/PS/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) insulation Type GP4 according to BS 7655

Sheath

PCP (Polychloroprene) Type EM2 according to BS EN 50363

CABLE STANDARDS

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



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

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

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
A5RPH02015	006/147001	2	1.5	27	0.25	8.8	9.3	120	0.8
A5RPH04015	006/150002	4	1.5	27	0.25	10.8	10.9	177	0.8
A5RPH04025	006/147000	4	2.5	44	0.25	12.3	12.9	256	0.9
A5RPH04040	-	4	4	50	0.3	14.1	14.7	358	1
A5RPH08015	006/153102	8	1.5	27	0.25	15.9	16.7	393	0.8
A5RPH08025	006/153110	8	2.5	44	0.25	18.9	19.7	544	0.9
A5RPH08040	006/153103	8	4	50	0.3	22.6	23.6	790	1
A5RPH08060	006/153111	8	6	75	0.3	24.5	25.5	1030	1
A5RPH08040	006/153112	8	10	73	0.4	29.8	30.8	1625	1.2
A5RPH08060	006/153113	8	16	114	0.4	35.6	36.6	2360	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
		Metal-Coated Wires ohms/km
1.5	0.26	13.7
2.5	0.26	8.21
4	0.31	5.09
6	0.31	3.39

The above table is in accordance with BS EN 60228 (previously BS 6360)