



# 107mm<sup>2</sup> Copper Tin Contact Wire



Eland Product Group: **91**

## APPLICATION

Copper tin contact wire provides direct contact to pantograph transmitting power from the overhead line system to the locomotive. The copper tin contact wire will be suspended from catenary wires via drop wires.

## 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

## CONSTRUCTION

### Drawing Number

1/148/438/A3

### Material

Copper tin (CuSn-0.4%)

## STANDARDS

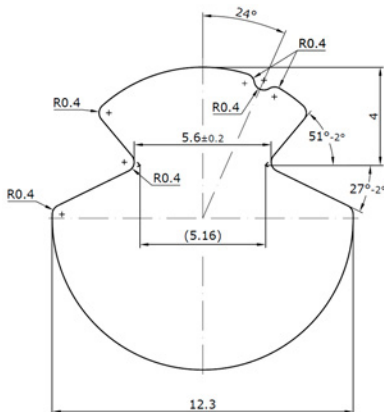
BS EN 50149 to AC-107

## 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.



## DIMENSIONS



## 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™.



NETWORK RAIL PART NO. / PADS	ELAND PART NO.	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MINIMUM TENSILE STRENGTH R <sub>M</sub> N/mm <sup>2</sup>	MINIMUM BREAKING LOAD F <sub>M</sub> kN	MINIMUM ELONGATION AT BREAK A <sub>200</sub> %	MINIMUM ELECTRICAL CONDUCTIVITY AT 20°C m/ohms/mm <sup>2</sup>	MINIMUM ELECTRICAL CONDUCTIVITY AT 20°C % IACS	MAXIMUM ELECTRICAL RESISTANCE R ohms/km	NOMINAL WEIGHT kg/km
0091/012326	91/012326	107	430	44.6	3	46.4	80	0.2076	952

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.