



# 107mm<sup>2</sup> Contact Wire with ID Groove (Hard Drawn Copper)



Eland Product Group: 91

## APPLICATION

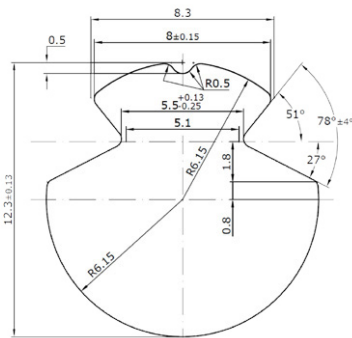
Contact wire provides direct contact to the pantograph transmitting power from the overhead line system to the locomotive. The contact wire will be suspended from catenary wires via drop wires.

## CONSTRUCTION

**Drawing Number**  
148/057/A4

### Material

Hard drawn copper



## 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

## STANDARDS

BS EN 50149, OEE 156/035

## 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](http://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	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 SPECIFIC CONDUCTIVITY x %IACS	MAXIMUM RESISTIVITY AT 20°C μohms*mm <sup>2</sup>	MAXIMUM ELECTRICAL RESISTANCE R ohms/km	WEIGHT kg/km
91/010274	0091/010274	107	360	37.4	3	56.3	97	0.01777	0.171	951

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.