107mm² Copper Tin Contact Wire

Eland Product Group: **91**

APPLICATION

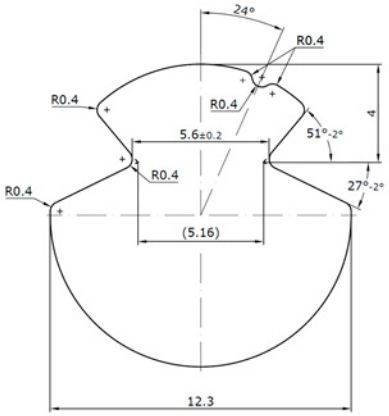
Copper tin contact wire provides direct contact to pantograph transmitting power from the overhead line system to the locomotive. The copper tin contact wire will be suspended from catenary wires via drop wires.

CONSTRUCTION

Drawing Number
1/148/438/A3

Material
Copper tin (CuSn-0.4%)

DIMENSIONS



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 to AC-107

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE 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

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®.

NETWORK RAIL PART NO. / PADS	ELAND PART NO.	NOMINAL CROSS SECTIONAL AREA mm²	MINIMUM TENSILE STRENGTH R_M N/mm²	MINIMUM BREAKING LOAD F_M kN	MINIMUM ELONGATION AT BREAK A_{200} %	MINIMUM ELECTRICAL CONDUCTIVITY AT 20°C m/ohms/mm²	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

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