

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.

CABLE STANDARDS

BS EN 50149 to AC-107



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.

CONSTRUCTION

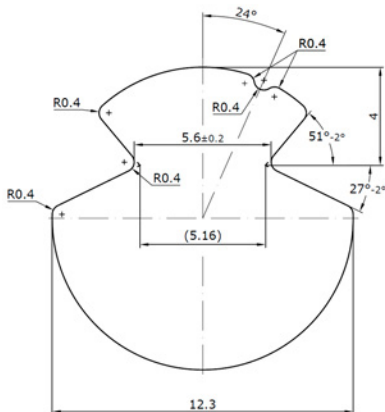
Drawing Number

1/148/438/A3

Material

Copper tin (CuSn-0.4%)

DIMENSIONS



NETWORK RAIL PART NO. / PADS	ELAND PART NO.	NOMINAL CROSS SECTIONAL AREA mm ²	MINIMUM TENSILE STRENGTH R _M N/mm ²	MINIMUM BREAKING LOAD F _M kN	MINIMUM ELONGATION AT BREAK A ₂₀₀ %	MINIMUM ELECTRICAL CONDUCTIVITY AT 20°C m/ohms/mm ²	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.