107mm² 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

STANDARDS
BS EN 50149, OEE 156/035

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.

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™.

DIMENSIONS

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NETWORK RAIL PART NO.</th>
<th>NOMINAL CROSS SECTIONAL AREA mm²</th>
<th>MINIMUM TENSILE STRENGTH Rm N/mm²</th>
<th>MINIMUM BREAKING LOAD Fb kN</th>
<th>MINIMUM ELONGATION AT BREAK Ap %</th>
<th>MINIMUM ELECTRICAL CONDUCTIVITY AT 20°C m/ohms/mm²</th>
<th>MINIMUM SPECIFIC CONDUCTIVITY x %IACS</th>
<th>MAXIMUM RESISTIVITY AT 20°C μohms*mm²</th>
<th>MAXIMUM ELECTRICAL RESISTANCE R ohms/km</th>
<th>WEIGHT kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>91/010274</td>
<td>0091/010274</td>
<td>107</td>
<td>360</td>
<td>37.4</td>
<td>3</td>
<td>56.3</td>
<td>97</td>
<td>0.01777</td>
<td>0.171</td>
<td>951</td>
</tr>
</tbody>
</table>

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.