# 7/7/0.51mm Copper Flexible Stranded Conductor

**Eland Product Group:** 91

## APPLICATION
Dropper wire connected to the catenary wire with the contact wire suspended below.

## CONSTRUCTION

### Drawing Number
1/148/369

### Conductor
Class 5 flexible copper magnesium (CuMg)

### Lay Ratio of Stranded Conductor
- Each bunch has a 20mm left lay length
- Final structure has a 40mm to 45mm right lay length

## DIMENSIONS

Ø 4.6 (nominal)

## CABLE STANDARDS

**SBB FL 74.02/1994**

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.

## Table

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NETWORK RAIL PART NO. / PADS</th>
<th>NOMINAL LENGTH (m)</th>
<th>NOMINAL CROSS SECTIONAL AREA (mm²)</th>
<th>NO. OF SINGLE WIRES</th>
<th>CONSTRUCTION OF CONDUCTOR</th>
<th>NOMINAL DIAMETER OF SINGLE WIRES (mm)</th>
<th>STANDARD RESISTANCE AT 20°C OF SINGLE WIRE (ohms/km)</th>
<th>MINIMUM BREAKING LOAD OF SINGLE WIRE (N)</th>
<th>NOMINAL OVERALL DIAMETER (mm)</th>
<th>WEIGHT OF CONDUCTOR (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>91/030331</td>
<td>0091/030331</td>
<td>500</td>
<td>10</td>
<td>49</td>
<td>7 x 7</td>
<td>0.51</td>
<td>148</td>
<td>116</td>
<td>4.6</td>
<td>89</td>
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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.