**APPLICATION**

8451 Alternative cable is suitable for use in instrumentation, data and audio applications where protection against electrical interference is required. Cables with polyethylene insulation show lower signal loss than those using PVC.

**CHARACTERISTICS**

Voltage Rating
300V

Temperature Rating
Fixed: -20°C to +75°C

**CONSTRUCTION**

Conductor
Class 2 stranded tinned copper conductor

Insulation
PE (Polyethylene)

Screen
Aluminium foil

Drain Wire
Tinned copper

Sheath
PVC-LSF (Polyvinyl Chloride-Low Smoke Fume)

Core Identification
- Black
- Red

Sheath Colour
- Grey

**DIMENSIONS**

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF PAIRS</th>
<th>AWG (NO. OF STRANDS)</th>
<th>NOMINAL DIAMETER OF STRANDS mm</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3B8451LSFGR</td>
<td>1</td>
<td>AWG22(7)</td>
<td>0.254</td>
<td>3.51</td>
<td>23</td>
</tr>
</tbody>
</table>

**ELECTRICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>CAPACITANCE AT 1kHz pF/m</th>
<th>MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>111.5</td>
<td>47.6</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.