**TRAFFIC SYSTEM LOOP DETECTION & FEEDER CABLES**

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**Traffic Loop Cable**

*Inductive Loop Cable, AS/NZS 2276.3*

**Application:** Vehicle detection loops / Inductive-loop traffic detectors

**Physical and Electrical Properties:**
- **Temperature Rating:** -20°C to +90°C
- **Voltage Rating:** Extra Low Voltage - Not suitable for connection to mains power.
- **Min Bending Radius:** 6 X cable outer diameter

**Product Details:**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Number of Cores</th>
<th>Nominal Area (mm²)</th>
<th>Conductor No./Dia (mm)</th>
<th>Insulation Thickness (mm)</th>
<th>Max. Conductor DC Resistance @ 20°C (Ω/km)</th>
<th>Nominal O.D. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AU-LDC17050</td>
<td>1</td>
<td>1.52</td>
<td>7/0.5</td>
<td>1.24</td>
<td>&lt;13.54</td>
<td>4.0</td>
</tr>
</tbody>
</table>

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Conductor: Annealed tinned copper conductors compliant with AS/NZS1125 Class 2.

Insulation: Black XLPE, RoHS Compliant Rated to 90°C

Pack Qty: 1000 Metres
# Traffic System Cables

## Loop Detection & Feeder Cables

### Traffic System Feeder Cable

**Feeder Cable for Vehicle Detectors, AS/NZS 2276.2**

- **Application:** Feeder cable for vehicle detectors.

**Physical and Electrical Properties:**

- **Temperature Rating:** -20°C to +70°C
- **Voltage Rating:** 300V
- **Max. Conductor Resistance:** 13.8Ω/km
- **Min. Insulation Resistance:** 20Ω/km @500V DC
- **Mutual Capacitance:** 65-80nF/km @1kHz
- **Min Bending Radius:** 12 X cable outer diameter
- **Max. Water Penetration:** variation 3%

### 36 Core Traffic Signal Cable

**3x2.5mm² + 1x4mm² + 32x1.5mm²**

**600V / 1000V, AS/NZS 2276.1:2001**

- **Application:** Traffic Systems – Controller to lights

### Traffic System Feeder Cable Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Number of Pairs</th>
<th>Nominal Area (mm²)</th>
<th>Conductor No./Dia (mm)</th>
<th>Insulation Thickness (mm)</th>
<th>Inner Sheath Thickness (mm)</th>
<th>Outer Sheath Thickness (mm)</th>
<th>Nominal O.D. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AP1PR1.5FD</td>
<td>1</td>
<td>1.5</td>
<td>7/0.5</td>
<td>0.5</td>
<td>0.8</td>
<td>1.2</td>
<td>9.2</td>
</tr>
<tr>
<td>AP2PR1.5FD</td>
<td>2</td>
<td>1.5</td>
<td>7/0.5</td>
<td>0.5</td>
<td>0.8</td>
<td>1.2</td>
<td>13.4</td>
</tr>
<tr>
<td>AP3PR1.5FD</td>
<td>3</td>
<td>1.5</td>
<td>7/0.5</td>
<td>0.5</td>
<td>0.8</td>
<td>1.2</td>
<td>13.9</td>
</tr>
<tr>
<td>AP4PR1.5FD</td>
<td>4</td>
<td>1.5</td>
<td>7/0.5</td>
<td>0.5</td>
<td>0.8</td>
<td>1.2</td>
<td>14.8</td>
</tr>
</tbody>
</table>

**Conductor:** Annealed tinned copper conductors standard to AS/NZS1125 Class 2

**Insulation:** LDPE compound, black with numbered or colour identify.

**Twisting:** Two cores twisted together the length of lay max. 50mm.

**Pack Qty:** 1000 Metres

### 36 Core Traffic Signal Cable Specifications

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Number of Cores</th>
<th>Nominal Area (mm²)</th>
<th>Conductor No./Dia (mm)</th>
<th>Insulation Thickness (mm)</th>
<th>Conductor Insulation O.D.</th>
<th>Max. Conductor DC Resistance @ 20°C (Ω/km)</th>
<th>Conductor Nominal O.D. (mm)</th>
<th>Nominal O.D. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3x2.5mm²</td>
<td>3</td>
<td>2.5</td>
<td>7/0.67</td>
<td>0.8</td>
<td>3.6</td>
<td>7.41</td>
<td>2.0</td>
<td>27.2</td>
</tr>
<tr>
<td>1 x 4mm²</td>
<td>1</td>
<td>4</td>
<td>7/0.85</td>
<td>1.0</td>
<td>4.55</td>
<td>4.61</td>
<td>2.55</td>
<td></td>
</tr>
<tr>
<td>32 x 1.5mm²</td>
<td>32</td>
<td>1.5</td>
<td>7/0.5</td>
<td>0.8</td>
<td>3.1</td>
<td>13.6</td>
<td>1.5</td>
<td></td>
</tr>
</tbody>
</table>

**Conductor:** Plain annealed copper wire standard to AS/NZS1125, Class 2

**Insulation:** 6 Cores: Central Green/ Yellow, Orange, Red, Black, Grey, Violet(1), filter

12 Cores: Violet core with number (2-4), White core with number(1-9)

18 Cores: White core with number(9-27)

**Sheath Material:** 5V90 PVC (Orange) comply to AS/NZS3808

**Pack Qty:** 500 Metres

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