Loop Detector Cable to BS6500 and BS6195

Application

Loop Detector Cable is used to measure and control traffic flow. Typical applications are for traffic control signals, safety cameras, variable speed control systems, flow monitoring and access control.

Standard and Approval

BS 6500, BS6195, BS 6360, BS 7655

Cable Construction

- **Conductor**: Stranded tinned copper, comply with BS 6360, Class 5
- **Insulation**: Black ethylene propylene rubber insulated (EPR), GP1, comply with BS 7655
- **Sheath**: Polychloroprene (PCP) sheath
- **Sheath Colour**: Black

Technical Characteristics

- **Rated voltage**: 450/750 volts
- **Conductor Resistance at 20°C**: 13.7 ohms/km(1.5mm²)
  
  8.21 ohms/km(2.5mm²)
- **Minimum bending radius:** 6 x Ø
- **Temperature range:** -30°C - +85°C

## Cable Parameter

<table>
<thead>
<tr>
<th>Number of Cores</th>
<th>Nominal Conductor Area</th>
<th>Nominal Conductor Stranding</th>
<th>Insulation Thickness</th>
<th>Sheath Thickness</th>
<th>Nominal O/D</th>
<th>Approx Cable Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm²</td>
<td>NO./mm</td>
<td>mm</td>
<td>mm</td>
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<td>Kg/km</td>
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<td>1.5</td>
<td>30/0.25</td>
<td>0.8</td>
<td>1.4</td>
<td>7.2</td>
<td>53.8</td>
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<tr>
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<td>2.5</td>
<td>50/0.25</td>
<td>2.1</td>
<td>-</td>
<td>6.4</td>
<td>62.8</td>
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</tbody>
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