# TECHNICAL DATA SHEET

**Stanilite®**  
Nexus® LX cable data twisted pair underground

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**Range**  
Non-standard range

**Product group**  
Nexus LX components

**Features**  
- 1 pair 7/0.25mm (0.35mm²)  
- Polypropylene insulated  
- Twin twisted  
- Aluminium/mylar tape screened with 7/0.25mm TACW drain wire  
- Black polyethylene sheathed

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**Catalogue no.** | Description
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**Nexus products**  
NKS-1PS/UG-100 & Cable data twisted pair underground  
100m roll  
NKS-1PS/UG-500 & Cable data twisted pair underground  
500m roll  
Note: Made to order and minimum order quantities may apply

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**Physical details**

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor</td>
<td>7 strands of 0.25mm tinned copper wire to AS1574</td>
</tr>
</tbody>
</table>
| Insulation | Polypropylene  
Overall diameter: 2.1mm (nominal) |
| Colour | Pair 1: white, blue |
| Twist lay | 35mm (average) |
| Screen | Aluminium/mylar tape screened with a 7/0.20mm TACW drain wire |
| Sheath | Black polyethylene to AS1049  
Overall diameter: 6.5mm (nominal) |

**Electrical details**

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor resistance</td>
<td>54 ohms/km (nominal)</td>
</tr>
<tr>
<td>Insulation resistance</td>
<td>10,000 megohm-km (minimum)</td>
</tr>
<tr>
<td>Impedance</td>
<td>100 ohms (nominal)</td>
</tr>
<tr>
<td>Typical capacitance</td>
<td>53 pF/m (nominal)</td>
</tr>
</tbody>
</table>

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Note:  
- Designed to comply with AS2293 and meet relevant Australian EMC standards