Application

UNITRONIC® SENSOR LiY11Y is a flexible cable for automated assembly to sensor-plug-cables. Highest emphasis is on optical and stripping-characteristics. Cable is installed flexible with very small bending radius, but not for permanently flexing applications. PUR sheath is halogenfree, matt and highly abrasion resistant.

Design

Conductor Bare copper wire stranded; individual wire diameter 0,10mm

Core insulation Standard PVC

Core identification As below per order

Twisting twisted together with short length of lay

Outer sheath Special PUR easily strippable for 100mm by machine surface, Surface matt black similar to RAL 9005

Electrical properties at 20 °C

U_0/U: <= 900V peak (only for electronic use)
Test voltage 2000 V

Mechanical and thermal properties

Temperature range Fixed installation -40 °C up to +80 °C
Flexible applications -5 °C up to +70 °C

Min. bending radius Fixed installation 5 x Ø
Flexible installation 10 x Ø

Approvals ROHS

Printing White ink jet

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Type</th>
<th>Sheath wall thickness Min</th>
<th>Core diameter in mm</th>
<th>Outer Diameter</th>
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Standard core colours

4-core brown, white, blue, black
5-core brown, white, blue, black, grey