Design

Wire LI99Y 1X1.5/2.5 CL2
Stranded wire highly flexible to DIN VDE 0295, class 6  \( \varnothing \) 1.5 mm
Insulation of TPE compound Leoni CL 2  \( \varnothing \) 2.5 mm
Wall thickness about : 0.46 mm
minimum : 0.4 mm

Jacket:
PVC compound Leoni CL 2, BK
Wall thickness about 0.6 mm
The brown wire should lay on the broadside of the profil

Outer dimensions

<table>
<thead>
<tr>
<th>Thickness</th>
<th>4.0 ± 0.2 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>broadside of the profil - thickness</td>
<td>2.0 ± 0.1 mm</td>
</tr>
<tr>
<td>Wide 1</td>
<td>6.5 ± 0.2 mm</td>
</tr>
<tr>
<td>Wide 2</td>
<td>10.0 ± 0.2 mm</td>
</tr>
<tr>
<td>Grid dimension conductor/conductor</td>
<td>3.6 ± 0.2 mm</td>
</tr>
</tbody>
</table>

Printing: "sequential length in metres"  *ASI-LOGO* OIL RESISTANT 60 °C  24V  * LEONI L 16AWG
E119100 90 °C CMG c(UL)us or (UL) CL2 or E130266 AWM 80 °C 300V FT4 *

Electrical data at 20° C

Conductor resistance  \( \leq 13.7 \text{ Ohm/km} \)
Insulation resistance  \( \geq 1 \text{ MOhm} \text{km} \)
Test voltage (wire/wire rms 50Hz 1min)  2000 V
Operating voltage (peak)  300 V

Mechanical and thermal characteristics

Insulating material acc. to DIN VDE 0207, compoundtype Y17
Jacket material acc. to DIN VDE 0207, compoundtype YM5
Conductor material acc. to DIN EN 13602 Cu-ETP-A...-B
LEONI Special Cables GmbH

Oil resistant
Cutting oil resistant (Sevora BP)
Cold bend test
Flame retardant
Flame retardant
Flame retardant
Flame retardant

UL type CL2 accord. to UL 13 and NEC Article 725
UL type CMG accord. to UL 444 and NEC Article 800

Other characteristics:

Sunlight resistant

Reversed bending strength (horizontal on broadside)
- Bending: 10 million
- Maximum acceleration: 4 m/s²
- Maximum horizontal speed: 4 m/s
- Minimum bending radius: 75 mm
- Maximum length horizontal of cable: 10 m

Permissible temperature range:
- before and after Laying: -30°C up to +90°C
- during Laying: -20°C up to +90°C

Permissible bending diameter:
- Multiple bendings on broadside: ≥ 24 mm
- One bending on broadside: ≥ 12 mm

Weight about: 70 Kg/km

Designation of order:
L45587-M21-Y119
201202
FLI-99Y99Y 2X1X1.5 VZN FR BK
100 m on ring