Data Sheet

SUCOFLEX_Stock Assembly

Description
The SUCOFLEX 104 high end cable assemblies are designed to provide optimal performance up to 26.5 GHz where stringent electrical requirements – in particular stability and low loss, are important.

Product description
SF104/PC35m/PC35m/500mm
Item number
84017154

Product Configuration

<table>
<thead>
<tr>
<th>Cable type</th>
<th>SUCOFLEX_104</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length of assembly</td>
<td>500 mm</td>
</tr>
<tr>
<td>Connector A</td>
<td>PC3.5 straight male</td>
</tr>
<tr>
<td>Connector B</td>
<td>PC3.5 straight male</td>
</tr>
</tbody>
</table>

Technical Data

**Mechanical Data**

- Diameter: 5.5 mm
- Min. bending radius static: 16 mm
- Min. bending radius repeated: 25 mm
- Recommended mating torque (*): 0.8…1.1 Nm
- Weight: 50 g

**Environmental Data**

- Operating temperature: -55°C to +90°C
- Storage temperature: -40°C to +85°C
- RoHS, REACH: Compliant

**Electrical Data**

- Impedance: 50 Ω
- Operating frequency: up to 26.5 GHz
- Velocity of propagation: 77 %
- Capacitance: 87 pF / m
- Time delay: 4.3 ns / m

- Return Loss: min. 16.6 dB (up to 26.5 GHz)
- Insertion loss (assembly): max. 1.01 dB (26.5 GHz, 25°C)
- Power handling: min. 200 W (26.5 GHz, sea level, 25°C)
- Screening effectiveness: > 90 dB (up to 18 GHz)
- Insertion loss stability vs. bending (**): +/- 0.2 dB (up to 26.5 GHz)
- Phase stability vs. bending (**): < 1.7° (el/GHz)

**General Information**

(*) H+S torque wrench
(**) Stability test

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