COMMENTS

<table>
<thead>
<tr>
<th>COMPONENTS</th>
<th>MATERIALS</th>
<th>PLATING (µm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body</td>
<td>BRASS</td>
<td>NICKEL 2</td>
</tr>
<tr>
<td>Center contact</td>
<td>BRASS</td>
<td>SILVER</td>
</tr>
<tr>
<td>Outer contact</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insulator</td>
<td>PTFE</td>
<td>-</td>
</tr>
<tr>
<td>Gasket</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Others parts</td>
<td>BRASS</td>
<td>NICKEL2</td>
</tr>
</tbody>
</table>

All dimensions are in mm.
This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

**Technical Data Sheet**

**STRAIGHT PLUG CLAMP TYPE CABLE 5/50 S**

---

**PACKAGING**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Unit</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Contact us</td>
<td>Contact us</td>
</tr>
</tbody>
</table>

---

**ELECTRICAL CHARACTERISTICS**

- Impedance: 50 Ω
- Frequency: 0-2 GHz
- VSWR: 1.2 + 0.2GHz
- Insertion loss: -10 + 0.20 dB Maxi
- RF leakage: -10 + 0.20 dB Maxi
- Voltage rating: Veff Maxi
- Dielectric withstand voltage: 6000 V
- Insulation resistance: MΩ mini

---

**ENVIRONMENTAL**

- Operating temperature: -55/+155 °C
- Hermetic seal: - Atm.cm³/s
- Panel leakage: -

---

**MECHANICAL CHARACTERISTICS**

- Center contact retention
  - Axial force – Mating End: NA N mini
  - Axial force – Opposite end: NA N mini
  - Torque: N.cm mini
- Recommended torque
  - Mating: N.cm
  - Panel nut: N.cm
  - Clamp nut: 150 N.cm
  - A/F clamp nut: 9.5000 mm
- Mating life: 500 Cycles mini
- Weight: 18.1700 g

---

**CABLE ASSEMBLY**

<table>
<thead>
<tr>
<th>Stripping</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
<th>f</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>2.5</td>
<td>14.7</td>
<td>0</td>
<td>0</td>
<td>11.5</td>
<td>0</td>
</tr>
</tbody>
</table>

Assembly instruction: **Clamp 03**

Recommended cable(s)
- RG 58
- KX 15
- RG 141

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly.

**Cable retention**
- - pull off: 90 N mini
- - torque: NA N.cm

---

**TOOLING**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Hexagon</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**OTHER CHARACTERISTICS**

- *Test frequency at 60Hz; 10 KVeff for mated pair*