**TECHNICAL DATA**

**STRAIGHT PLUG FULL CRIMP-TYPE**

**CABLE 5/50 D**

**R161.083.000**

**SERIES N**

---

**DIMENSIONS:**
- **DIA 0.827 (ø21)**
- **DIA 0.041 (ø1.05)**
- **DIA 0.228 (ø5.8)**
- **1.515 (38.5)**

---

**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** 0-11 GHz

**TEMPERATURE RATING:** -55/+155 °C

**V.S.W.R:** 1.30 + x F(GHz) Maxi

**RF INSERTION LOSS:** 0.048√F(GHz) dB Maxi

**VOLTAGE RATING:** 850 Veff Maxi

**DIELECTRIC WITHSTANDING VOLTAGE:** 1500 Veff Mini

**INSULATION RESISTANCE:** 5000 MΩ Mini

**HERMETIC SEAL:** NA atm.cm³/s

**LEAKAGE (pressurized only):** NA

**MECHANICAL DURABILITY:** 500 Cycles

**WEIGHT:** 27.3 g

**SPECIFICATION**

---

**CABLES:**
- **KX 23**
- **RG 142**
- **RG 142 FTX**
- **RG 223**
- **RG 400**

**OTHERS CHARACTERISTICS**

**CABLE RETENTION:** 200 N Mini

**CENTER CONTACT RETENTION**
- Axial force - mating end: 27 N Mini
- Axial force - opposite end: 27 N Mini
- Torque: NA cm.N Mini

**RECOMMENDED TORQUES**
- Mating: 130 cm.N
- Panel nut: NA cm.N
- Clamp nut: NA cm.N

---

**CONNECTOR PARTS, MATERIALS, FINISH**

<table>
<thead>
<tr>
<th>BODY</th>
<th>BRASS</th>
<th>BBR 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTER CONTACT</td>
<td>BRASS</td>
<td>BBR 2</td>
</tr>
<tr>
<td>CENTER CONTACT</td>
<td>BRASS</td>
<td>GOLD 0.5 OVER NICKEL 2</td>
</tr>
<tr>
<td>INSULATOR</td>
<td>PTFE</td>
<td>-</td>
</tr>
<tr>
<td>GASKET</td>
<td>SILICONE RUBBER</td>
<td>-</td>
</tr>
<tr>
<td>OTHERS PIECES</td>
<td>BRASS</td>
<td>BBR 2</td>
</tr>
</tbody>
</table>

---

**ISSUE** 9812J04  **CREATION DATE** 21/07/1993  **FILE PART-NUMBER** EPC 96-07

---

*The information given here is subject to change without notice. Design changes may be in order to improve the product.*
1. Slide onto the cable the ferrule. Strip the cable.

2. Slide on centre contact until it bottoms against cable dielectrique. Solder or crimp centre contact. Crimping tool: R 282 223 000 (hex: .068) or R 282 293 000 (M22520/5-01) + dies R 282 235 011 (M22520/5-11)
   (We advice to solder centre contact to improve electrical performances only with the cable to PTFE dielectric.)

3. Fan the braid. Slide cable into the body until bottoms against insulator. Slide ferrule over the braid. (In direction F)

4. Crimp the ferrule with crimping tool R 282 223 000 (Hex: .213) or crimping tool M22520/5-01 (R 282 293 000) + dies M22520/5-11 (R 282 235 011)
   Cut the excess of braid. Slide sleeve over ferrule in place.

The information given here is subject to change without notice. Design changes may be in order to improve the product.