50 Ω, 25 AWG MICRO COAX CABLE

MWC-2550-01

**PERFORMANCE DATA**

- **Capacitance:** 29.5 pF/ft (nominal)
- **Propagation Delay:** 1.44 ns/ft
- **Flex Cycles:** 750 cycles, single conductor*
- **Current Rating:** Single conductor = 5.3 Amps**
  
- **Shield DCR:** 13.7 Ω/1000 ft
- **CC DCR:** 32 Ω/1000 ft
- **Min. Bend Radius:** .350"
- **Availability:** Single
- **Temperature Rating:** -40 °C to 200 °C, UL VW-1 Tested ***
- **DWV Working Voltage:** 406 V†

**INSERTION LOSS AND RETURN LOSS GRAPHS‡**

<table>
<thead>
<tr>
<th>Insertion Loss</th>
<th>0.25 m</th>
<th>1 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>-3 dB</td>
<td>&gt;20 GHz</td>
<td>13 GHz</td>
</tr>
<tr>
<td>-7 dB</td>
<td>&gt;20 GHz</td>
<td>&gt;20 GHz</td>
</tr>
</tbody>
</table>

* Test Conditions – 8 oz. weight, dia 7/8” mandrel, +/-90° bend X2
** Rating – 30 °C Temperature Rise, 20% de-rated.
*** Temperature Rating – Heat Shock/Cold Soak per UL #1581, wire wrap 1/4” mandrel, visual inspection
† Test Conditions – IR/DWV/Thermal Shock/Humidity per EIA-364-20, 21, 31 and 32

‡ IL and RL data is typical. Results may vary. DUT terminated with SMA Connector and has not been de-embedded.