50 Ω, 32 AWG MICRO COAX CABLE

Jacket: PVC
Ø .0393 (0.997)

Shield: 46 AWG Serve
Ø .0270 (0.686)

Dielectric: FEP
Ø .0240 (0.610)

Signal Conductor: SPC
32 AWG Ø .0090 (0.229)

PERFORMANCE DATA
Capacitance: 26 pF/ft (nominal)
Propagation Delay: 1.29 ns/foot
Flex Cycles: 50,000 cycles, 13-wide ribbon*
Current Rating: Single conductor = 2.4 Amps**
20 conductors = 1.0 Amps**
Shield DCR: 91 Ω/1000 ft
CC DCR: 166 Ω/1000 ft
Min. Bend Radius: .125"
Availability: Single, 2-30 ribbon, tape bonded
Temperature Rating: -25 °C to 105 °C, UL VW-1 Tested ***
DWV Working Voltage: 281 V†

Insertion Loss

<table>
<thead>
<tr>
<th>Distance</th>
<th>0.25 m</th>
<th>1 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>-3 dB</td>
<td>14 GHz</td>
<td>3 GHz</td>
</tr>
<tr>
<td>-7 dB</td>
<td>&gt;20 GHz</td>
<td>10 GHz</td>
</tr>
</tbody>
</table>

* Test Conditions – 8 oz. weight, dia 1/4” mandrel, +/-90 bend X2
** Rating – 30 °C Temperature Rise, 20% de-rated.
*** Test performed on 20 position ribbon.
† Test Conditions – IR/DWV/Thermal Shock/Humidity

INSERTION LOSS AND RETURN LOSS GRAPHS‡

‡IL and RL data are typical. Results may vary.