50 Ω, 30 AWG MICRO COAX CABLE

PERFORMANCE DATA

- **Capacitance:** 26 pF/ft (nominal)
- **Propagation Delay:** 1.28 ns/foot
- **Flex Cycles:** 25,000 cycles, 8-wide ribbon*
- **Current Rating:** Single conductor = 3.3 Amps**
  
  20 conductors = 1.3 Amps**
- **Shield DCR:** 37 Ω/1000 ft
- **CC DCR:** 101 Ω/1000 ft
- **Min. Bend Radius:** .3125"
- **Availability:** Single, 2-35 ribbon, tape bonded
- **Temperature Rating:** -25 °C to 105 °C ***
- **Flammability Rating:** UL VW-1†
- **DWV Working Voltage:** 338 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>16.7 GHz</td>
<td>4 GHz</td>
</tr>
<tr>
<td>-7 dB</td>
<td>&gt;20 GHz</td>
<td>16.5 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.
Testing performed on 20-position ribbon.

*** Test Conditions – Heat Shock/Cold Bend per UL1581, wire wrap 1/4" mandrel, visual inspection

†BBCS-3050F-01 has undergone UL VW-1 Research Testing and complies with UL 758.
‡Test Conditions – IR/DWV/Thermal Shock/Humidity per EIA-364-20, 21, 31 and 32

TCS-3050F-XX-XX