**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 ***
- **Flammability Rating:** UL VW-1†
- **DWV Working Voltage:** 406 V‡

- **Signal Conductor:** SPC
- **Dielectric:** FEP Solid Ø .0578 (1.468)
- **Flat Wire:** SPC Ø .0650 (1.651)
- **Shield:** 44 AWG Braid Ø .0735 (1.867)
- **Jacket:** FEP Ø .0810 (2.057)
- **Flat Wire:** SPC Ø .0650 (1.651)

### INSERTION LOSS AND RETURN LOSS GRAPHS

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

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* 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
†MWC-2550-01 has undergone UL VW-1 Research Testing and complies with UL 2556.
‡Test Conditions – IR/DWV/Thermal Shock/Humidity per EIA-364-20, 21, 31 and 32