50 Ω, 34 AWG MICRO COAX CABLE HT

Jacket: THV
Ø .0338 (0.859)

Shield: 46 AWG Serve
Ø .0221 (0.561)

Dielectric: FEP Foam
Ø .0190 (0.483)

Signal Conductor: SPC
34 AWG Ø .0075 (0.189)

PERFORMANCE DATA
Capacitance: 27 pF/ft (nominal)
Propagation Delay: 1.30 ns/foot
Flex Cycles: 80,000 cycles, 20-wide ribbon*
Current Rating: Single conductor = 1.8 Amps**
20 conductors = 0.7 Amps**
Shield DCR: 111 Ω/1000 ft
CC DCR: 258 Ω/1000 ft
Min. Bend Radius: .125"
Availability: Single, 4-30 ribbon,
3 to 36 tape bonded ribbon***
Temperature Rating: -40 °C to 125 °C, UL VW-1 Tested ****
DWV Working Voltage: 250 V†

Insertion Loss | 0.25 m | 1 m
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-3 dB | 12 GHz | 2 GHz
-7 dB | >20 GHz | 6.5 GHz

* 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.
*** Pitch specification may decrease available positions from max value.
**** Test Conditions – Heat Shock/Cold Bend per UL#1581-540 & 1580-580,
wire wrap 1/4” mandrel, visual inspection
†Test Conditions – IR/DWV/Thermal Shock/Humidity
per EIA-364-20, 21, 31 and 32

INSERTION LOSS AND RETURN LOSS GRAPHS‡

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