

HAND FORMABLE .141 COAX CABLES

50 Ohm DC-18 GHz



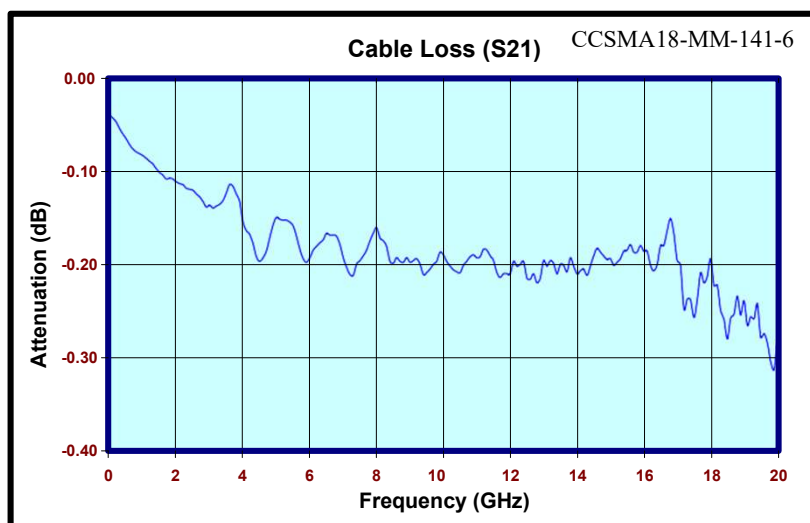
Features:

Center Conductor: Silver-plated copper clad steel wire
Outer Braid: Tin-soaked copper braid, 100% coverage
Insulation: PTFE (Polytetrafluoroethylene) dielectric
Cable Outer Diameter: 0.141 inches (3.58mm)
Connectors: Gold-plated brass
Center Pin: Gold-plated brass
Operating Temperature: -40°C to +85°C
Minimum Bend Radius: 0.390 inch (10.0mm) Single bend
1.570 inch (40.0mm) Multiple bends

Custom Lengths Available

Electrically Matched Pairs Available

Actual Plot



Electrical Specifications:

Impedance: 50 Ohms
Frequency: DC to 18 GHz
Insertion Loss (dB/ft): <0.67 at 18 GHz
VSWR: <1.35, DC to 18 GHz
Nominal Capacitance: 28.6 pF/ft
Velocity of Propagation: 70%
Shield Effectiveness: 130 dB Typical
Attenuation (dB/ft): 0.12 Typical at 1 GHz
connector loss not included 0.23 Typical at 3 GHz
(refer to actual cable plot below) 0.31 Typical at 5 GHz
0.46 Typical at 10 GHz
0.65 Typical at 18 GHz
Avg Power in (Watts): 686 @ 400 MHz
as specified at 40°C 419 @ 1 GHz
122 @ 10 GHz
83 @ 18 GHz

Applications:

Jumpers
Instrumentation
High Frequency Interconnects



SMA / SMA [Straight/Straight]

Part Number	Description	Length
CCSMA18-MM-141-3	.141 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	3"
CCSMA18-MM-141-4	.141 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	4"
CCSMA18-MM-141-5	.141 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	5"
CCSMA18-MM-141-6	.141 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	6"
CCSMA18-MM-141-7	.141 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	7"
CCSMA18-MM-141-8	.141 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	8"
CCSMA18-MM-141-10	.141 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	10"
CCSMA18-MM-141-12	.141 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	12"