CRYSTEK MICROWAVE
A Division of Crystek Corporation

18 GHz HAND FORMABLE .141 COAX CABLES

50 Ohm DC-18 GHz Hand Formable Coaxial Cables

RoHS Compliant

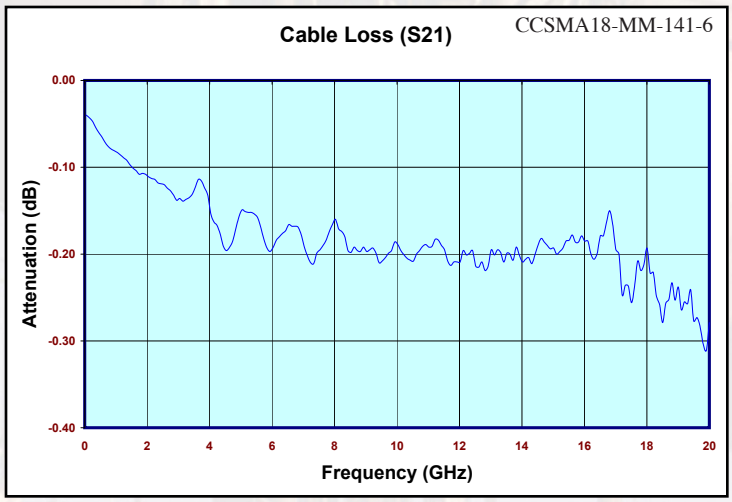
Features:

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" (3.58mm)
Connectors:	Gold-plated brass
Center Pin:	Gold-plated brass
Operating Temperature:	-40°C to +85°C
Minimum Bend Radius:	0.39" (10mm) single bend 1.57" (40mm) multiple bends

Custom Lengths Available

Electrically Matched Pairs Available

Actual Plot



Electrical Specifications:

Impedance:	50 Ohms
Frequency:	DC to 18 GHz
Insertion Loss:	<.67 dB/ft at 18 GHz
VSWR:	<1.3, 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	0.31 Typical at 5 GHz
plot below)	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"