



CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

12 GHz HAND FORMABLE .086 COAX CABLES

50 Ohm DC-12 GHz Hand Formable Coaxial Cables

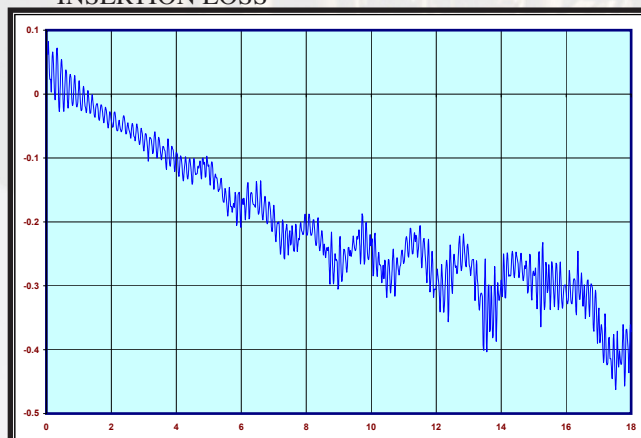


Features:

Center Conductor:	Silver-plated copper clad steel wire
Outer Braid:	Tin-soaked copper braid, 100% coverage
Insulation:	PTFE (Polytetrafluoroethylene) dielectric
Cable Outer Diameter:	0.086" (2.2mm)
Connectors:	Gold-plated brass
Center Pin:	Gold-plated brass
Operating Temperature:	-40°C to +85°C
Minimum Bend Radius:	0.24" (6mm) single bend 0.99" (25mm) multiple bends

Electrically Matched Pairs Available

PN: CCSMA-MM-086-3
INSERTION LOSS



Electrical Specifications:

Impedance:	50 Ohms
Frequency:	DC to 12 GHz
Insertion Loss:	<0.82 dB/ft at 12 GHz
VSWR:	<1.3, DC to 12 GHz
Nominal Capacitance:	28.6 pF/ft
Velocity of Propagation:	70%
Shield Effectiveness:	Greater than 130 dB
Attenuation (dB/ft):	0.30 Typical at 2 GHz 0.46 Typical at 4 GHz 0.70 Typical at 8 GHz 0.76 Typical at 10 GHz 0.82 Typical at 12 GHz
*connector loss not included (refer to actual cable plot (below))	

Avg Power in (Watts):	900 @ 100 MHz
	200 @ 1 GHz
	50 @ 10 GHz

*as specified at 40°C

Applications: Jumpers
Instrumentation
High Frequency Interconnects



SMA / SMA [Straight/Straight]

Part Number	Description	Length
CCSMA-MM-086-3	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	3"
CCSMA-MM-086-4	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	4"
CCSMA-MM-086-5	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	5"
CCSMA-MM-086-6	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	6"
CCSMA-MM-086-7	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	7"
CCSMA-MM-086-8	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	8"
CCSMA-MM-086-10	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	10"
CCSMA-MM-086-12	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	12"
CCSMA-MM-086-18	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	18"
CCSMA-MM-086-24	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	24"



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Mouser Electronics

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[CCSMA-MM-086-3](#) [CCSMA-MM-086-4](#) [CCSMA-MM-086-5](#) [CCSMA-MM-086-6](#)