



MegaPhase, LLC
 2098 West Main Street, Building 3
 Stroudsburg, PA 18360-9526
 USA

www.megaphase.com
 email: sales@megaphase.com

Phone: 570-424-8400
 Fax: 570-424-6031

Conformable Coaxial Jumper Cables

A Low Cost, Hand Formable Alternative to Semi-Rigid through 40 GHz

SERIES CC CABLE DATA

Maximum Insertion Loss		$IL_{dB} = \text{Attenuation}_{dB/ft} \times \text{Length}_{ft} + 2 \times \text{ConnectorLoss}_{dB}$					
Attenuation (max.) vs. Frequency (GHz)		CC086		CC141		Connector loss (dB/each)	VSWR (x.xx:1)
		dB/foot	dB/meter	dB/foot	dB/meter		
0.4	UHF	0.14	0.46	0.08	0.26	0.02	1.04
1.0	L	0.22	0.72	0.12	0.39	0.03	1.05
2.0		0.31	1.02	0.18	0.59	0.04	
3.0		0.38	1.24	0.23	0.75	0.05	
5.0	C	0.51	1.67	0.31	1.02	0.06	1.15
10.0	X	0.76	2.49	0.47	1.54	0.08	
18.0	Ku	1.10	3.61	0.66	2.17	0.11	1.30
20.0	K	1.18	3.87	0.72	2.36	0.12	
22.0		1.25	4.10			0.13	
26.5		1.42	4.66			0.15	1.35
28.0	Ka	1.47	4.82			0.16	1.40
30.0		1.54	5.05			0.17	
32.0		1.61	5.28			0.18	
38.0		1.80	5.90			0.22	
40.0		1.85	6.07			0.25	

Insertion Loss & VSWR increases with non-precision or angle connector types and varies based on connector combination.

Other Electrical Data	CC086	CC141
Maximum Frequency	40.0 GHz	20.0 GHz
Impedance, nominal	50 Ω	
Propagation Velocity, nominal	69%	
Shielding Effectiveness, minimum	-110 dB	
Capacitance, nominal	29.5 pF/ft (96.8 pF/m) nominal	
Mechanical Data		
Shield Diameter, nominal	.085 in (2.16 mm)	.139in (3.53 mm)
Outer Conductor/Shield	Metallic Alloy Saturated Braid (Pb Free)	
Dielectric	Solid PTFE	
Inner Conductor	Solid, Ag-plated Cu-clad Steel	
Static Bend Radius, minimum	0.25in (6.35 mm)	0.43in (10.92 mm)
Operating Temperature Range	-40 to 329°F (-40 to +165 °C)	
Weight, unjacketed	0.011 lbs/ft (0.016 Kg/m)	0.024 lbs/ft (0.036 Kg/m)
Maximum Assembly Length	50 ft (15 m)	50 ft (15 m)

Available Connectors

CC086	CC141
✓ SMA	✓ Type N
✓ SMB	✓ SMA
✓ SMC	✓ TNC
✓ SMP	✓ BNC
✓ MCX	
✓ MMCX	
✓ 3.5mm	
✓ 2.9mm	
✓ 2.4mm	