

# MICROWAVE CABLE SPECIFICATIONS

50 Ω MICROWAVE CABLES		MWC-2550-01	MWC-2350-01	MWC-2350CU-01	RG 405 (.086")	CCA-047-PFA (.047")	CCA-086-FFP (Low Loss .086")	CCA-130-FFP (Low Loss .141")
								
<b>ELECTRICAL</b>								
Max Frequency (GHz)		40	35	50	40	65	65	40
Insertion Loss (dB/m)	1 GHz	0.79	0.72	0.69	0.72	1.10	0.65	0.39
	26 GHz	3.80 @ 20 GHz	3.71 @ 20 GHz	4.21	4.26 @ 20 GHz	6.80	3.95	2.50
	40 GHz	—	—	5.55	—	8.80	5.07	3.19
	50 GHz	—	—	3.80	—	10.13	5.82	—
Propagation Delay (ns/m)		4.76	4.72	4.76	4.79	4.76	4.20	4.28
Velocity of Propagation		70%					79.4%	78%
Capacitance (pF/m)		96.80	95.45	97.80	104.97	95.00	83.37	85.47
<b>CONSTRUCTION</b>								
Center Conductor		Silver Plated Copper						
Dielectric		FEP			PTFE	PFA	Foam Fluoropolymer	
Shield		1) Silver Plated Copper 2) Silver Plated Copper		1) Silver Plated Copper 2) Copper Tape 3) Silver Plated Copper	Tinned Copper	1) Silver Plated Copper 2) Silver Plated Copper		
Jacket		FEP			—	FEP		
<b>MECHANICAL</b>								
Operating Temp		-40° C to 200° C		-65° C to 125° C	-40° C to 125° C	-65° C to 150° C		-65° C to 165° C
Min. Bend Radius (mm)		9.00	12.00	6.00	3.18	10.00	8.89	12.70
Termination Options		SMA, SMP	3.50 mm	2.92 mm, 2.40 mm	SMA, SMP	SMPM	1.85 mm, 2.40 mm, SMPM	2.92 mm