

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")
								
ELECTRICAL								
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
CONSTRUCTION								
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			
MECHANICAL								
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