

**Wireless Coax**  
50 Ohm Transmission



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	MHz	dB/ 100 ft.	dB/ 100 m

**H1000C • Solid 2.6 mm Bare Copper • Copper-Foil • 85% Bare Copper Braid**

Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	H1000C3		1640	500	97.0	44.0	2.62 mm Solid BC 12.3 /km* 3.5 /km**	0.281	7.15	Cu-foil + 85% BC Braid 8.8 /km*** 8.0 mm	0.406	10.30	50	83%	24.4	80.0	5	0.2	0.8
																	50	0.9	2.8
																	100	1.2	4.0
																	230	1.9	6.1
																	400	2.6	8.4
																	800	3.8	12.3
																	862	4.2	13.8
																	1000	4.3	14.0
																	1350	5.1	16.7
																	1750	5.9	19.5
																	2150	6.9	22.5
																	2400	7.2	23.6
Return loss at			5-470 MHz: 23 dB				Screening attenuation at 30-1000 MHz: 100 dB												
			470-1000 MHz: 20 dB																
			1000-2000 MHz: 18 dB																
			2000-3000 MHz: 16 dB																

**Gas-Injected Polyethylene Insulation • Black PVC Jacket**

70°C	H1000C0	C-328 1640 6560	C-100 500 2000	19.6 98.1 392.4	8.9 44.5 178.0	2.62 mm Solid BC 12.3 /km* 3.5 /km**	0.281	7.15	Cu-foil + 50% BC Braid 8.8 /km*** 7.8 mm	0.406	10.30	50	83%	24.4	80.0	see above				
Return loss at			5-470 MHz: 23 dB				Screening attenuation at 30-1000 MHz: 100 dB													
			470-1000 MHz: 20 dB																	
			1000-2000 MHz: 18 dB																	
			2000-3000 MHz: 16 dB																	

**Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket**

70°C	H1000C1	C-328 1640 3280	C-100 500 1000	15.0 75.0 149.9	6.8 34.0 68.0	2.62 mm Solid BC 12.3 /km* 3.5 /km**	0.281	7.15	Cu-foil + 50% BC Braid 8.8 /km*** 7.8 mm	0.406	10.30	50	83%	24.4	80.0	see above				
Return loss at			5-470 MHz: 23 dB				Screening attenuation at 30-1000 MHz: 100 dB													
			470-1000 MHz: 20 dB																	
			1000-2000 MHz: 18 dB																	
			2000-3000 MHz: 16 dB																	

**H1001C • Stranded (19x0.54) 2.7 mm Bare Copper • Copper-Foil • 50% Bare Copper Braid**

Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	H1001C1		1640	500	117.9	53.5	2.7 mm (19x0.54) BC 16.5 /km* 4.5 /km**	0.283	7.20	Cu-foil + 50% BC Braid 12.0 /km*** 7.15 mm	0.406	10.30	50	83%	24.4	80.0	5	0.3	1.0
																	50	1.0	3.3
																	100	1.4	4.7
																	230	2.2	7.2
																	400	3.0	9.8
																	800	4.4	14.4
																	862	4.5	14.9
																	1000	5.0	16.3
																	1350	5.9	19.3
																	1750	6.9	22.5
																	2150	7.7	25.4
																	2400	8.3	27.1
Return loss at			5-470 MHz: 23 dB				Screening attenuation at 30-1000 MHz: 100 dB												
			470-1000 MHz: 20 dB																
			1000-2000 MHz: 18 dB																
			2000-3000 MHz: 16 dB																

**H500C • Solid 2.5 mm Bare Copper • Copper-Foil • 50% Bare Copper Braid**

Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	H500C00	C-328 820 1640 6560	C-100 250 500 2000	23.6 59.0 117.9 471.8	10.7 26.8 53.5 214.0	2.5 mm Solid BC 15.3 /km* 3.8 /km**	0.276	7.00	Cu-foil + 50% BC Braid 11.5 /km*** 7.45 mm	0.386	9.80	50	81%	25.0	82.0	5	0.3	0.9	
																	50	0.9	2.9
																	100	1.3	4.1
																	230	2.0	6.5
																	400	2.7	8.7
																	800	3.9	12.9
																	862	4.1	13.4
																	1000	4.5	14.6
																	1350	5.3	17.4
																	1750	6.2	20.3
																	2150	7.0	23.0
																	2400	7.5	24.6
Return loss at			5-470 MHz: 23 dB				Screening attenuation at 30-1000 MHz: 95 dB												
			470-1000 MHz: 20 dB																
			1000-2000 MHz: 18 dB																
			2000-3000 MHz: 16 dB																

\* DC loop resistance • \*\* DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper

