

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. (Ω)	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 Ω/km* 3.5 Ω/km**	0.281	7.15	Cu-foil + 85% BC Braid 8.8 Ω/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	C-100	19.6	8.9	2.62 mm Solid BC 12.3 Ω/km* 3.5 Ω/km**	0.281	7.15	Cu-foil + 50% BC Braid 8.8 Ω/km*** 7.8 mm	0.406	10.30	50	83%	24.4	80.0				see above	
			1640	500	98.1	44.5															
			6560	2000	392.4	178.0															
			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	C-100	15.0	6.8	2.62 mm Solid BC 12.3 Ω/km* 3.5 Ω/km**	0.281	7.15	Cu-foil + 50% BC Braid 8.8 Ω/km*** 7.8 mm	0.406	10.30	50	83%	24.4	80.0				see above	
			1640	500	75.0	34.0															
			3280	1000	149.9	68.0															
			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 Ω/km* 4.5 Ω/km**	0.283	7.20	Cu-foil + 50% BC Braid 12.0 Ω/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	C-100	23.6	10.7	2.5 mm Solid BC 15.3 Ω/km* 3.8 Ω/km**	0.276	7.00	Cu-foil + 50% BC Braid 11.5 Ω/km*** 7.45 mm	0.386	9.80	50	81%	25.0	82.0	5	0.3	0.9		
			820	250	59.0	26.8											50	0.9	2.9		
			1640	500	117.9	53.5											100	1.3	4.1		
			6560	2000	471.8	214.0											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