Wireless Coax

50 Ohm Transmission

BROADBAND

De-scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric) inch	Nominal Core OD (Dielectric) mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. ( )	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation 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
			Return loss at	5-470 MHz: 23 dB						Screening attenuation at 30-1000 MHz: 100 dB							1350	5.1	16.7
				470-1000 MHz: 20 dB													1750	5.9	19.5
				1000-2000 MHz: 18 dB													2150	6.9	22.5
				2000-3000 MHz: 16 dB													2400	7.2	23.6
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 /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		
			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 /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		
			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 /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
			Return loss at	5-470 MHz: 23 dB						Screening attenuation at 30-1000 MHz: 100 dB							1350	5.9	19.3
				470-1000 MHz: 20 dB													1750	6.9	22.5
				1000-2000 MHz: 18 dB													2150	7.7	25.4
				2000-3000 MHz: 16 dB													2400	8.3	27.1
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 /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
			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
			Return loss at	5-470 MHz: 23 dB						Screening attenuation at 30-1000 MHz: 95 dB							1350	5.3	17.4
				470-1000 MHz: 20 dB													1750	6.2	20.3
				1000-2000 MHz: 18 dB													2150	7.0	23.0
				2000-3000 MHz: 16 dB													2400	7.5	24.6

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