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
MRG213 • Stranded (7x0.75) 2.25 mm Bare Copper • 92 % Bare Copper Braid																			
Polyethylene Insulation • Black PVC Jacket																			
70°C	**MRG2130**		328	100	29.8	13.5	2.25 mm	0.285	7.25	92 % BC	0.406	10.30	50	66 %	30.5	100.0	5	0.5	1.5
			820	250	74.4	33.8	(7x0.75) BC			Braid							50	1.4	4.6
			1640	500	148.8	67.5	11.5 /km*			5.5 /km***							100	2.0	6.6
			3280	1000	297.6	135.0	6.0 /km**			8.0 mm							230	3.2	10.4
																	400	4.3	14.1
																	800	6.4	21.1
																	862	6.7	22.1
																	1000	7.3	24.1
			Return loss at	5-470 MHz: 20 dB						Screening attenuation at 30-1000 MHz: 65 dB							1350	8.8	29.0
				470-1000 MHz: 18 dB													1750	10.5	34.3
				1000-2000 MHz: 16 dB													2150	11.9	39.1
				2000-3000 MHz: 15 dB													2400	12.9	42.4
H155A • Stranded (19x0.28) 1.4 mm Tinned Copper • **Duofoil®** • 80 % Bare Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**H155A01**		B-328	B-100	8.2	3.7	1.41 mm	0.154	3.90	Duofoil®	0.213	5.40	50	80 %	25.6	84.0	5	0.8	2.5
			3280	1000	81.6	37.0	(19x0.28) TC			+ 80 % TC							50	2.1	6.9
							32.4 /km*			Braid							100	2.8	9.1
							15.4 /km**			17.0 /km***							230	4.1	13.4
										4.5 mm							400	5.5	18.0
																	800	8.0	26.1
																	862	8.3	27.3
																	1000	9.0	29.6
			Return loss at	5-470 MHz: 20 dB						Screening attenuation at 30-1000 MHz: 85 dB							1350	10.6	34.9
				470-1000 MHz: 18 dB													1750	12.3	40.3
				1000-2000 MHz: 16 dB													2150	14.0	46.0
				2000-3000 MHz: 15 dB													2400	15.0	49.1
Gas-Injected Polyethylene Insulation • Grey PVC Jacket																			
70°C	**H155A00**		B-328	B-100	8.2	3.7	1.41 mm	0.154	3.90	Duofoil®	0.213	5.40	50	80 %	25.6	84.0		see above	
			820	250	20.4	9.3	(19x0.28) TC			+ 80 % TC									
			1640	500	40.8	18.5	32.4 /km*			Braid									
			3280	1000	81.6	37.0	15.4 /km**			17.0 /km***									
										4.5 mm									
			Return loss at	5-470 MHz: 20 dB						Screening attenuation at 30-1000 MHz: 85 dB									
				470-1000 MHz: 18 dB															
				1000-2000 MHz: 16 dB															
				2000-3000 MHz: 15 dB															
MRG58 • Stranded (19x0.18) 0.9 mm Tinned Copper • 93 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)																			
70°C	**MRG5800**		328	100	7.7	3.5	0.91 mm	0.116	2.95	+ 93 % TC	0.195	4.95	50	66 %	30.5	100.0	5	1.0	3.3
			1640	500	38.6	17.5	(19x0.18) TC			Braid							50	3.2	10.6
							52.0 /km*			16.0 /km***							100	4.6	15.1
							36.0 /km**			3.5 mm							230	7.0	23.1
																	400	9.4	30.7
																	800	13.4	44.1
																	862	14.0	45.8
																	1000	15.1	49.6
			Return loss at	5-470 MHz: 20 dB						Screening attenuation at 30-1000 MHz: 65 dB							1350	17.7	58.2
				470-1000 MHz: 18 dB													1750	20.4	66.8
				1000-2000 MHz: 16 dB													2150	22.7	74.6
				2000-3000 MHz: 15 dB													2400	24.1	79.2

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

Duofoil® see technical information page 23.13.