

**Wireless Coax**  
 Low Loss 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
<b>RG174 • 25 AWG • Solid 0.46 mm Bare Copper • Beldfoil® • 90% Tinned Copper Braid</b>																			
<b>Polyethylene Insulation • Black PVC Jacket</b>																			
80°C	<b>7805</b>		† 100	31	1.8	0.8	0.455 mm	0.061	1.55	Beldfoil®	0.110	2.79	50	66%	31.2	102.4	30	3.8	12.4
RF 100A			500	152	5.5	2.5	25 AWG			+ 90% TC							50	4.9	16.1
			1000	305	9.9	4.5	Solid BC			Braid							150	8.6	28.2
							40.4 Ω/km*			29.9 Ω/km***							220	10.4	34.2
						10.5 Ω/km**			2.15 mm							450	15.2	49.9	
																900	22.0	72.3	
																1500	28.8	94.3	
																1800	31.7	104.0	
																2000	33.4	109.7	
																2500	37.9	124.2	
																3000	42.0	137.8	
																4500	52.3	171.5	
																5800	60.9	199.8	
																6000	62.0	203.3	

100% Sweep tested. 6 GHz max. VSWR 1.25:1

Mates with standard RG-174 connectors. Suitable for aerial applications when supported by a messenger wire.

<b>RG174 • 24 AWG • Solid 0.5 mm Bare Copper • Beldfoil® • 93% Tinned Copper Braid</b>																			
<b>Foam HDPE Insulation • Grey PVC Jacket</b>																			
80°C	<b>7805R</b>	NEC:	† 100	31	1.8	0.8	0.5 mm	0.060	1.52	Beldfoil®	0.110	2.79	50	73.5%	26.2	86.0	30	3.5	11.5
RF 100LL		CMR	500	152	5.5	2.5	24 AWG			+ 93% TC							50	4.6	15.0
		CEC:	1000	305	9.9	4.5	Solid BC			Braid							150	8.0	26.1
		CMG FT4					124.7 Ω/km*			30.5 Ω/km***							220	9.6	31.6
						94.2 Ω/km**			2.12 mm							450	14.1	46.1	
																900	20.2	66.4	
																1500	26.6	87.3	
																1800	29.5	96.7	
																2000	31.2	102.3	
																2500	35.5	116.3	
																3000	39.4	129.2	
																4500	50.1	164.2	
																5800	59.0	193.6	
																6000	60.6	198.7	

100% Sweep tested. 6 GHz max. VSWR 1.25:1

Mates with standard RG-174 connectors.

<b>RG-58 Type • 19 AWG • Solid 0.9 mm Bare Copper • Duofoil® • 90% Tinned Copper Braid</b>																			
<b>Gas-Injected Foam HDPE Insulation • Black Polyethylene Jacket</b>																			
80°C	<b>7806A</b>		500	152	14.6	6.6	0.9 mm	0.110	2.79	Duofoil®	0.195	4.95	50	77%	24.3	79.7	30	2.0	6.6
RF 195			1000	305	22.9	10.4	19 AWG			+ 90% TC							50	2.5	8.2
							Solid BC			Braid							150	4.1	13.3
							38.7 Ω/km*			13.8 Ω/km***							220	4.9	16.1
						24.9 Ω/km**			3.39 mm							450	7.1	23.4	
																900	10.3	33.8	
																1500	13.7	44.8	
																1800	15.2	49.7	
																2000	16.1	52.8	
																2500	18.3	60.1	
																3000	20.5	67.3	
																4500	26.5	86.8	
																5800	31.2	102.4	
																6000	32.0	105.0	

Available in PVC (7806R)

100% Sweep tested. 6 GHz max. VSWR 1.25:1

Mates with standard RG-58 connectors. Suitable for outdoor and direct burial applications.

<b>RG-58 Type • 17 AWG • Solid 1.15 mm Bare Copper • Duofoil® • 95% Tinned Copper Braid</b>																			
<b>Gas-Injected Foam HDPE Insulation • Black Polyethylene Jacket</b>																			
80°C	<b>7807A</b>		500	152	15.0	6.8	1.15 mm	0.116	2.95	Duofoil®	0.195	4.95	50	85%	23.5	77.1	30	1.6	5.4
RF 200			1000	305	24.0	10.9	17 AWG			+ 95% TC							50	2.1	7.0
							Solid BC			Braid							150	3.7	12.1
							24.7 Ω/km*			13.8 Ω/km***							220	4.5	14.6
						10.9 Ω/km**			3.55 mm							450	6.5	21.2	
																900	9.2	30.1	
																1500	12.0	39.2	
																1800	13.2	43.2	
																2000	14.0	45.8	
																2500	15.7	51.6	
																3000	17.5	57.3	
																4500	22.0	72.3	
																5800	25.2	82.7	
																6000	25.9	85.1	

Available in PVC (7807R)

100% Sweep tested. 6 GHz max. VSWR 1.25:1

Mates with standard land mobile radio type connectors. Suitable for outdoor and direct burial applications.

\* DC loop resistance • \*\* DC resistance inner conductor • \*\*\* DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper  
 † May contain more than one piece. Min. length of any one piece is 7.6 m (25 ft.).  
 Duofoil® see technical information page 23.13.