

**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. Vel. of Prop. (Ω)	Nominal Capacitance		Nominal Attenuation	
			ft.	m	lbs.	kg		inch	mm		inch	mm		pF/ft.	pF/m	MHz	dB/ 100 ft.

**RG-8X Type • 15 AWG • Solid 1.45 mm Bare Copper • Duobond® II • 95% Tinned Copper Braid**

<b>Gas-Injected Foam HDPE Insulation • Black Polyethylene Jacket</b>																			
80°C	<b>7808A</b>		500	152	18.0	8.2	1.45 mm	0.150	3.81	Duobond® II + 95% TC Braid	0.240	6.10	50	86%	23.0	75.5	30	1.3	4.1
RF 240		1000	305	39.0	17.7	15 AWG Solid BC			19.7 Ω/km*								9.2 Ω/km***	150	2.8
																	900	7.0	22.9
																	1500	9.1	30.0
																	1800	10.1	33.2
																	2000	10.7	35.0
																	2500	12.0	39.5
																	3000	13.4	43.9
																	4500	16.7	54.7
																	5800	19.5	64.0
																	6000	19.8	65.0

Available:  
7808R - PVC  
7808WB - Flooded Water-resistant Polyethylene

100% Sweep tested. 6 GHz max. VSWR 1.25:1  
Mates with standard RG-8X connectors. Suitable for outdoor and direct burial applications.

**Intermediate Type • 13 AWG • Solid 1.83 mm Bare Copper • Duobond® II • 95% Tinned Copper Braid**

<b>Gas-Injected Foam HDPE Insulation • Black Polyethylene Jacket</b>																			
80°C	<b>7809A</b>		500	152	30.6	13.9	1.83 mm	0.190	4.83	Duobond® II + 95% TC Braid	0.300	7.62	50	86%	23.0	75.5	30	1.0	3.4
RF 300		1000	305	58.0	26.3	13 AWG Solid BC			14.7 Ω/km*								7.8 Ω/km***	150	2.2
																	900	5.6	18.3
																	1500	7.3	24.0
																	1800	8.1	26.5
																	2000	8.6	28.2
																	2500	9.7	31.9
																	3000	10.8	35.4
																	4500	13.5	44.4
																	5800	15.8	51.8
																	6000	16.0	52.6

Available:  
7809R - PVC  
7809WB - Flooded Water-resistant Polyethylene

100% Sweep tested. 6 GHz max. VSWR 1.25:1  
Mates with land mobile radio type connectors. Suitable for outdoor and direct burial applications.

**RG-8 Type • 10 AWG • Solid 2.6 mm Bare Copper-Covered Aluminum • Duobond® II • 95% Tinned Copper Braid**

<b>Gas-Injected Foam HDPE Insulation • Black Polyethylene Jacket</b>																			
80°C	<b>7810A</b>		500	152	42.5	19.3	2.6 mm	0.285	7.24	Duobond® II + 95% TC Braid	0.403	10.23	50	86%	23.0	75.5	30	0.6	2.1
RF 400		1000	305	86.0	39.0	10 AWG Solid BCCA			13.6 Ω/km*								9.2 Ω/km***	150	1.5
																	900	3.8	12.6
																	1500	5.1	16.6
																	1800	5.6	18.5
																	2000	6.0	19.6
																	2500	6.7	22.0
																	3000	7.4	24.4
																	4500	9.5	31.1
																	5800	11.1	36.4
																	6000	11.4	37.3

Available:  
7810R - PVC  
7810WB - Flooded Water-resistant Polyethylene

100% Sweep tested. 6 GHz max. VSWR 1.25:1  
Mates with 9913 and 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 • BCCA = Bare Copper-Covered Aluminum • TC = Tinned Copper

Duobond® II see technical information page 23.13.