

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
RF 500 Type • 7 AWG • Solid 3.6 mm Bare Copper-Covered Aluminum • Duobond® II • 90 % Tinned Copper Braid																			
Foam HDPE Insulation • Black Polyethylene Jacket																			
80°C	7976A		500	152	56.0	25.4	3.6 mm 7 AWG Solid BCCA 8.0 Ω/km* 2.7 Ω/km**	0.370	9.40	Duobond® II + 90% TC Braid 5.3 Ω/km*** 10.45 mm	0.500	12.70	50	84%	25.1	82.4	30	0.5	1.8
			1000	305	108.0	49.0											50	0.7	2.4
																	150	1.2	3.9
																	220	1.5	4.9
																	450	2.2	7.2
																	900	3.2	10.5
																	1500	4.2	13.8
																	1800	4.7	15.4
																	2000	5.0	16.4
																	2500	5.7	18.7
																	3000	6.3	20.7
																	4500	8.0	26.2
																	5800	9.3	30.5
																	6000	9.5	31.2
Available: 7976R - PVC 7976WB - Flooded Water-resistant Polyethylene																			
																	100% Sweep tested.		
																	Suitable for outdoor applications and aerial applications when supported by a messenger wire.		

RF 600 Type • 5.5 AWG • Solid 4.47 mm Bare Copper-Covered Aluminum • Duobond® II • 85% Tinned Copper Braid																			
Foam HDPE Insulation • Black Polyethylene Jacket																			
80°C	7977A		500	152	73.6	33.4	4.47 mm 5.5 AWG Solid BCCA 7.6 Ω/km* 1.7 Ω/km**	0.455	11.56	Duobond® II + 85% TC Braid 5.9 Ω/km*** 12.65 mm	0.590	14.99	50	85%	24.6	80.7	30	0.5	1.5
			1000	305	145.1	65.8											50	0.6	2.0
																	150	1.0	3.2
																	220	1.2	3.9
																	450	1.7	5.6
																	900	2.5	8.3
																	1500	3.4	11.2
																	1800	3.8	12.4
																	2000	4.0	13.2
																	2500	4.6	15.0
																	3000	5.1	16.6
																	3500	5.5	18.2
																	4500	6.4	21.1
																	5800	7.6	24.8
																	6000	7.8	25.4
Available: 7977R - PVC 7977WB - Flooded Water-resistant Polyethylene																			
																	100% Sweep tested. 6 GHz.		
																	Suitable for outdoor applications and aerial applications when supported by a messenger wire.		

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BCCA = Bare Copper-Covered Aluminum • TC = Tinned Copper

Duobond® II see technical information page 23.13.