

Broadband Coax Distribution Cables



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. ()	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

Series 11 • 14 AWG • Solid 1.63 mm Copper-Covered Steel • Duobond® II • 60 % Aluminum Braid

Gas-Injected Foam Polyethylene Insulation • PVC Jacket (Black and White)

	80°C	1523A	NEC: CATV CM CEC: CM	1000	305	67.0	30.4	1.63 mm 14 AWG Solid CCS 49.6 /km* 36.1 /km**	0.280	7.11	Duobond® II + 60% AL Braid 13.4 /km*** 7.98 mm	0.400	10.16	75	83%	16.2	53.1	5	0.3	1.1	
																		55	0.9	3.0	
																		240	1.8	5.8	
																		450	2.5	8.0	
																		862	3.5	11.4	
																		1000	3.8	12.4	
																		1450	5.0	16.4	
																		1800	5.7	18.7	
																		2250	6.5	21.3	
																		3000	8.0	26.3	
				Return loss at		5-470 MHz: 23 dB		470-862 MHz: 20 dB		862-2150 MHz: 18 dB		Screening attenuation at 30-1000 MHz: 85 dB		Transfer impedance at 5-30 MHz: 5.0 m /m		Screening Class: A		Pulling Tension: 1156 N		Sweep tested: 5 MHz to 1 GHz.	

80°C	1524AM	1000	305	90.0	40.8	1.63 mm	0.280	7.11	Duobond® II	0.400	10.16	75	83%	16.2	53.1	see above
Aerial						14 AWG			+ 60% AL	x	x					
						Solid CCS			Braid	0.580	14.73					
						49.6 /km*			13.4 /km***							
						36.1 /km**			7.98 mm							
																
Return loss at																
5-470 MHz: 23 dB																
470-862 MHz: 20 dB																
862-2150 MHz: 18 dB																
Screening attenuation at 30-1000 MHz: 85 dB																
Transfer impedance at 5-30 MHz: 5.0 m /m																
Screening Class: A																
Pulling Tension: 2400 N																
Sweep tested: 5 MHz to 1 GHz.																
1.83 mm galvanized steel messenger																

1.83 mm galvanized steel messenger

Gas-Injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)

80°C Burial	1525A	1000	305	60.2	27.3	1.63 mm 14 AWG Solid CCS 49.6 /km* 36.1 /km**	0.280	7.11	Duobond® II + 60% AL Braid 13.4 /km*** 7.98 mm	0.400	10.16	75	83%	16.2	53.1	see above
																
Return loss at																
5-470 MHz: 23 dB																
470-862 MHz: 20 dB																
862-2150 MHz: 18 dB																
Screening attenuation at 30-1000 MHz: 85 dB																
Transfer impedance at 5-30 MHz: 5.0 m /m																
Screening Class: A																
Pulling Tension: 1156 N																
Sweep tested: 5 MHz to 1 GHz																

Core Guard®

PRG11C • Solid 1.55 mm Bare Copper • Copper-Foil • 50 % Bare Copper Braid

Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green)

70°C		PRG11C0		820	250	37.5	17.0	1.55 mm	0.285	7.25	Cu-foil	0.398	10.10	75	81%	16.8	55.0	5	0.3	0.9			
				1640	500	75.0	34.0	Solid BC			+ 50% BC							50	0.9	2.8			
				3280	1000	149.9	68.0	20.0 /km*			Braid							230	1.8	6.0			
								9.4 /km**			10.6 /km***							470	2.7	8.8			
												7.9 mm							862	3.7	12.2		
																				1000	4.1	13.6	
																				1350	4.9	16.1	
				Return loss at	5-470 MHz:	26 dB					Screening attenuation at 30-1000 MHz:	85 dB							1750	5.7	18.7		
					470-1000 MHz:	23 dB					Transfer impedance at 5-30 MHz:	5.0 m /m							2150	6.4	21.1		
					1000-2000 MHz:	18 dB					Screening Class: A									2400	6.9	22.5	
					2000-3000 MHz:	16 dB					Pulling Tension: 225 N									3000	7.8	25.7	
1000 m cut-up available in Black only																							

1000 m put-up available in Black only.

70°C		PRG11C6		820		250		63.4		28.8		1.55 mm		0.285		7.25		Cu-foil		0.398		10.10		75		81%		16.8		55.0		see above	
				1640		500		126.8		57.5		Solid BC						+ 50% BC				x											
				3280		1000		253.5		115.0		20.0 /km*						Braid				16.20											
												9.4 /km**						10.6 /km***															
																		7.9 mm															
																																	

Available in Black.

4.6 mm ZP messenger

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • CCS = Copper-Covered Steel • AL = Aluminum • ZP = Stranded Zinc-Plated Steel

Duobond® II see technical information page 23.13.