Broadband Coax
Distribution Cables

BROADBAND

Description	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. (Ω)	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
PRG11C • Solid 1.55 mm Bare Copper • **Copper-Foil** • 50 % Bare Copper Braid																			
Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket																			
70°C	**PRG11C2**	IEC 332-1	820	250	45.2	20.5	1.55 mm Solid BC 20.0 Ω/km* 9.4 Ω/km**	0.285	7.25	Cu-foil + 50% BC Braid 10.6 Ω/km*** 7.9 mm	0.398	10.10	75	81%	16.8	55.0	5	0.3	0.9
			1640	500	90.4	41.0											50	0.9	2.8
																	230	1.8	6.0
																	470	2.7	8.8
																	862	3.7	12.2
																	1000	4.1	13.6
																	1350	4.9	16.1
																	1750	5.7	18.7
																	2150	6.4	21.1
																	2400	6.9	22.5
																	3000	7.8	25.7
			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 225 N									
Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)																			
70°C	**PRG11C4**		820	250	44.6	20.3	1.55 mm Solid BC 20.0 Ω/km* 9.4 Ω/km**	0.285	7.25	Cu-foil + 50% BC Braid 10.6 Ω/km*** 7.9 mm	0.398	10.10	75	81%	16.8	55.0	see above		
			1640	500	89.3	40.5													
			3280	1000	178.6	81.0													
			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 225 N									
1000 m put-up available in Black only.																			
PRG11A • Solid 1.55 mm Bare Copper • **Duofoil®** • 50 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**PRG11A3**		1640	500	67.2	30.5	1.55 mm Solid BC 22.2 Ω/km* 9.4 Ω/km**	0.285	7.25	Duofoil® + 50% TC Braid 12.8 Ω/km*** 7.9 mm	0.398	10.10	75	81%	16.8	55.0	5	0.3	0.9
																	50	0.9	2.9
																	230	2.0	6.4
																	470	2.8	9.3
																	862	4.0	13.0
																	1000	4.3	14.2
																	1350	5.1	16.8
																	1750	5.9	19.5
																	2150	6.7	21.9
																	2400	7.1	23.4
																	3000	8.1	26.7
			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 225 N									
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**PRG11A2**		1640	500	86.0	39.0	1.55 mm Solid BC 22.2 Ω/km* 9.4 Ω/km**	0.285	7.25	Duofoil® + 50% TC Braid 12.8 Ω/km*** 7.9 mm	0.398	10.10	75	81%	16.8	55.0	see above		
			Return loss at 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 225 N									

* 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.