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
PRG11D • Solid 1.55 mm Bare Copper • **Duobond Plus®** • 50 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**PRG11D3**		820	250	34.7	15.8	1.55 mm Solid BC 18.9 Ω/km* 9.4 Ω/km**	0.285	7.25	Duobond Plus® + 50% TC Braid 9.5 Ω/km*** 8.1 mm	0.398	10.10	75	81%	16.8	55.0	5	0.3	0.9
			1640	500	69.4	31.5											50	0.9	2.8
 BTQ																	230	1.9	6.2
																	470	2.8	9.1
																	862	3.9	12.7
																	1000	4.2	13.9
																	1350	5.0	16.5
			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: ≥ 105 dB; Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m; Screening Class: A+; Pulling Tension: 250 N							1750	5.8	19.0
																	2150	6.4	21.1
																	2400	6.9	22.5
																	3000	7.7	25.2
Gas-Injected Polyethylene Insulation • Black FRNC/LSNH Jacket																			
70°C	**PRG11D1**	IEC 332-1	1640	500	97.0	44.0	1.55 mm Solid BC 16.4 Ω/km* 9.4 Ω/km**	0.285	7.25	Duobond Plus® + 70% TC Braid 7.0 Ω/km*** 8.1 mm	0.398	10.10	75	81%	16.8	55.0			see above
 BTQ																			
			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: ≥ 105 dB; Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m; Screening Class: A+; Pulling Tension: 250 N									
Gas-Injected Polyethylene Insulation • Black PVC Jacket																			
70°C	**PRG11D0**		1640	500	83.8	38.0	1.55 mm Solid BC 18.9 Ω/km* 9.4 Ω/km**	0.285	7.25	Duobond Plus® + 50% TC Braid 9.5 Ω/km*** 8.1 mm	0.398	10.10	75	81%	16.8	55.0			see above
 BTQ																			
			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: ≥ 105 dB; Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m; Screening Class: A+; Pulling Tension: 250 N									

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duobond Plus® see technical information page 23.13.