Broadband Coax
Drop Cables

BROADBAND

De-scription	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. ( )	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

RG7C • Solid 1.25 mm Bare Copper • **Copper-Foil** • 50 % Bare Copper Braid

Gas-Injected Polyethylene Insulation • Black PVC Jacket

70°C	**RG7C00**	820	250	34.4	15.6	1.25 mm Solid BC	0.224	5.70	Cu-foil + 50 % BC Braid	0.319	8.10	75	82%	16.5	54.0	5	0.5	1.5
		1640	500	68.9	31.3	26.5 /km*										50	1.1	3.5
						14.5 /km**			12.0 /km***							100	1.5	5.0
									6.3 mm							230	2.3	7.5
																400	3.1	10.1
																800	4.5	14.6
																862	4.7	15.5
																1000	5.2	17.0
		Return loss at	5-470 MHz: 23 dB						Screening attenuation at 30-1000 MHz: 85 dB							1350	5.9	19.5
			470-1000 MHz: 20 dB						Transfer impedance at 5-30 MHz: 15.0 m /m							1750	6.7	22.0
			1000-2000 MHz: 18 dB						Screening Class: B							2150	7.9	26.0
			2000-3000 MHz: 16 dB						Pulling Tension: 90 N							2400	8.2	27.0

PRG7C • Solid 1.2 mm Bare Copper • **Copper-Foil** • 40 % Bare Copper Braid

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

70°C	**PRG7C01**	820	250	22.6	10.3	1.2 mm Solid BC	0.213	5.40	Cu-foil + 40 % BC Braid	0.280	7.10	75	83%	16.5	54.0	5	0.4	1.2
		1640	500	45.2	20.5	34.6 /km*										50	1.1	3.6
		3280	1000	90.4	41.0	15.6 /km**			19.0 /km***							100	1.6	5.2
									5.84 mm							230	2.4	7.9
																400	3.2	10.5
																800	4.6	15.2
																862	4.8	15.8
																1000	5.2	17.1
		Return loss at	5-470 MHz: 23 dB						Screening attenuation at 30-1000 MHz: 75 dB							1350	6.1	20.1
			470-1000 MHz: 20 dB						Transfer impedance at 5-30 MHz: 15.0 m /m							1750	7.1	23.2
			1000-2000 MHz: 18 dB						Screening Class: B							2150	7.9	26.0
250 m put-up available in Black only.			2000-3000 MHz: 16 dB						Pulling Tension: 80 N							2400	8.4	27.7

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

70°C	**PRG7C00**	B-328	B-100	10.4	4.7	1.2 mm Solid BC	0.213	5.40	Cu-foil + 40 % BC Braid	0.280	7.10	75	83%	16.5	54.0			see above	
		820	250	25.9	11.8	34.6 /km*													
		1640	500	51.8	23.5	15.6 /km**			19.0 /km***										
		3280	1000	103.4	46.9				5.84 mm										
		Return loss at	5-470 MHz: 23 dB						Screening attenuation at 30-1000 MHz: 75 dB										
			470-1000 MHz: 20 dB						Transfer impedance at 5-30 MHz: 15.0 m /m										
			1000-2000 MHz: 18 dB						Screening Class: B										
1000 m put-up available in Black only.			2000-3000 MHz: 16 dB						Pulling Tension: 80 N										

PRG7A • Solid 1.2 mm Bare Copper • **Duofoil®** • 40 % Tinned Copper Braid

Gas-Injected Polyethylene Insulation • Black PVC Jacket

70°C	**PRG7A00**	328	100	9.7	4.4	1.2 mm Solid BC	0.213	5.40	Duofoil® + 40 % TC Braid	0.280	7.10	75	83%	16.5	54.0	5	0.5	1.6
						39.6 /km*										50	1.2	3.9
						15.6 /km**			24.0 /km***							100	1.6	5.4
									5.84 mm							230	2.5	8.1
																400	3.3	10.7
																800	4.7	15.5
																862	4.9	16.1
																1000	5.3	17.5
		Return loss at	5-470 MHz: 23 dB						Screening attenuation at 30-1000 MHz: 85 dB							1350	6.3	20.6
			470-1000 MHz: 20 dB						Transfer impedance at 5-30 MHz: 39.0 m /m							1750	7.3	23.8
			1000-2000 MHz: 18 dB						Screening Class: C							2150	8.2	26.8
			2000-3000 MHz: 16 dB						Pulling Tension: 80 N							2400	8.7	28.6

Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket

70°C	**PRG7A01**	3280	1000	147.7	67.0	1.2 mm Solid BC	0.213	5.40	Duofoil® + 40 % TC Braid	0.280	7.10 x 14.00	75	83%	16.5	54.0			see above	
						39.6 /km*													
						15.6 /km**			24.0 /km***										
									5.84 mm										
		Return loss at	5-470 MHz: 23 dB						Screening attenuation at 30-1000 MHz: 85 dB										
			470-1000 MHz: 20 dB						Transfer impedance at 5-30 MHz: 39.0 m /m										
			1000-2000 MHz: 18 dB						Screening Class: C										
3.6 mm ZP messenger			2000-3000 MHz: 16 dB						Pulling Tension: 3500 N										

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper • ZP = Stranded Zinc-Plated Steel
Duofoil® see technical information page 23.13.