Broadband Coax
Drop 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. ( )	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
H121C • Solid 0.8 mm Bare Copper • **Copper-Foil** • 45 % Bare Copper Braid																			
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H121C00**		B-328	B-100	6.0	2.7	0.8 mm	0.138	3.50	Cu-foil	0.197	5.00	75	84%	16.2	53.0	5	0.5	1.7
			1640	500	29.8	13.5	Solid BC			+ 45% BC							50	1.6	5.3
							59.0 /km*			Braid							100	2.3	7.5
							35.0 /km**			24.0 /km***							230	3.5	11.4
										4.1 mm							400	4.6	15.1
																	800	6.6	21.7
																	862	6.9	22.6
																	1000	7.5	24.5
			Return loss at	5-470 MHz: 20 dB						Screening attenuation at 30-1000 MHz: 80 dB							1350	8.8	28.7
				470-1000 MHz: 18 dB						Transfer impedance at 5-30 MHz: 10.0 m /m							1750	10.1	33.0
				1000-2000 MHz: 16 dB						Screening Class: B							2150	11.3	36.9
				2000-3000 MHz: 15 dB						Pulling Tension: 40 N							2400	12.0	39.2
H121A • Solid 0.8 mm Bare Copper • **Duofoil®** • 75 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H121A03**		B-328	B-100	6.4	2.9	0.8 mm	0.138	3.50	Duofoil®	0.197	5.00	75	84%	16.2	53.0	5	0.7	2.3
			U-984	U-300	19.2	8.7	Solid BC			+ 75% TC							50	1.8	5.9
			1640	500	32.0	14.5	55.0 /km*			Braid							100	2.5	8.1
							35.0 /km**			20.0 /km***							230	3.7	12.1
										4.1 mm							400	4.8	15.9
																	800	6.9	22.7
H121B																	862	7.2	23.6
																	1000	7.8	25.6
			Return loss at	5-470 MHz: 20 dB						Screening attenuation at 30-1000 MHz: 100 dB							1350	9.1	30.0
				470-1000 MHz: 18 dB						Transfer impedance at 5-30 MHz: 4.2 m /m							1750	10.5	34.5
				1000-2000 MHz: 16 dB						Screening Class: A							2150	11.8	38.6
				2000-3000 MHz: 15 dB						Pulling Tension: 45 N							2400	12.5	41.0
Gas-Injected Polyethylene Insulation • White FRNC/LSNH Jacket																			
70°C	**H121A04**	IEC 332-1	B-328	B-100	7.3	3.3	0.8 mm	0.138	3.50	Duofoil®	0.197	5.00	75	84%	16.2	53.0			see above
			1640	500	36.4	16.5	Solid BC			+ 75% TC									
							55.0 /km*			Braid									
							35.0 /km**			20.0 /km***									
										4.1 mm									
H121B																			
			Return loss at	5-470 MHz: 20 dB						Screening attenuation at 30-1000 MHz: 100 dB									
				470-1000 MHz: 18 dB						Transfer impedance at 5-30 MHz: 4.2 m /m									
				1000-2000 MHz: 16 dB						Screening Class: A									
				2000-3000 MHz: 15 dB						Pulling Tension: 45 N									
H121A • Solid 0.8 mm Bare Copper • **Duofoil®** • 40 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**H121A01**		1640	500	22.0	10.0	0.8 mm	0.138	3.50	Duofoil®	0.197	5.00	75	84%	16.2	53.0			see above
			3280	1000	44.1	20.0	Solid BC			+ 40% TC									
							75.0 /km*			Braid									
							35.0 /km**			40.0 /km***									
										4.1 mm									
			Return loss at	5-470 MHz: 20 dB						Screening attenuation at 30-1000 MHz: 75 dB									
				470-1000 MHz: 18 dB						Transfer impedance at 5-30 MHz: 33.0 m /m									
				1000-2000 MHz: 16 dB						Screening Class: C									
				2000-3000 MHz: 15 dB						Pulling Tension: 40 N									
Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)																			
70°C	**H121A00**		B-328	B-100	6.4	2.9	0.8 mm	0.138	3.50	Duofoil®	0.197	5.00	75	84%	16.2	53.0			see above
			820	250	16.0	7.3	Solid BC			+ 40% TC									
			1640	500	32.0	14.5	75.0 /km*			Braid									
							35.0 /km**			40.0 /km***									
										4.1 mm									
			Return loss at	5-470 MHz: 20 dB						Screening attenuation at 30-1000 MHz: 75 dB									
				470-1000 MHz: 18 dB						Transfer impedance at 5-30 MHz: 33.0 m /m									
				1000-2000 MHz: 16 dB						Screening Class: C									
				2000-3000 MHz: 15 dB						Pulling Tension: 40 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.