

Broadband Coax

Drop 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

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 1640	B-100 500	6.0 29.8	2.7 13.5	0.8 mm Solid BC 59.0 /km* 35.0 /km**	0.138	3.50	Cu-foil + 45% BC Braid 24.0 /km*** 4.1 mm	0.197	5.00	75	84%	16.2	53.0	5	0.5	1.7
																	50	1.6	5.3
																	100	2.3	7.5
																	230	3.5	11.4
																	400	4.6	15.1
																	800	6.6	21.7
																	862	6.9	22.6
																	1000	7.5	24.5
																	1350	8.8	28.7
																	1750	10.1	33.0
																	2150	11.3	36.9
																	2400	12.0	39.2
Return loss at			5-470 MHz: 20 dB				Screening attenuation at 30-1000 MHz: 80 dB												
			470-1000 MHz: 18 dB				Transfer impedance at 5-30 MHz: 10.0 m /m												
			1000-2000 MHz: 16 dB				Screening Class: B												
			2000-3000 MHz: 15 dB				Pulling Tension: 40 N												

H121A • Solid 0.8 mm Bare Copper • Duofoil® • 75% Tinned Copper Braid

Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	H121A03		B-328 1640	B-100 500	6.4 32.0	2.9 14.5	0.8 mm Solid BC 55.0 /km* 35.0 /km**	0.138	3.50	Duofoil® + 75% TC Braid 20.0 /km*** 4.1 mm	0.197	5.00	75	84%	16.2	53.0	5	0.7	2.3
																	50	1.8	5.9
																	100	2.5	8.1
																	230	3.7	12.1
																	400	4.8	15.9
																	800	6.9	22.7
																	862	7.2	23.6
																	1000	7.8	25.6
																	1350	9.1	30.0
																	1750	10.5	34.5
																	2150	11.8	38.6
																	2400	12.5	41.0
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												

Gas-Injected Polyethylene Insulation • White FRNC/LSNH Jacket

70°C	H121A04	IEC 332-1	B-328 1640	B-100 500	7.3 36.4	3.3 16.5	0.8 mm Solid BC 55.0 /km* 35.0 /km**	0.138	3.50	Duofoil® + 75% TC Braid 20.0 /km*** 4.1 mm	0.197	5.00	75	84%	16.2	53.0	see above		
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 3280	500 1000	22.0 44.1	10.0 20.0	0.8 mm Solid BC 75.0 /km* 35.0 /km**	0.138	3.50	Duofoil® + 40% TC Braid 40.0 /km*** 4.1 mm	0.197	5.00	75	84%	16.2	53.0	see above		
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-328 820 1640	B-100 250 500	6.4 16.0 32.0	2.9 7.3 14.5	0.8 mm Solid BC 75.0 /km* 35.0 /km**	0.138	3.50	Duofoil® + 40% TC Braid 40.0 /km*** 4.1 mm	0.197	5.00	75	84%	16.2	53.0	see above		
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.

