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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. (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
H125C • Solid 1.0 mm Bare Copper • **Copper-Foil** • 40 % Bare Copper Braid																			
Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket																			
70°C	**H125C04**	IEC 332-1	1640	500	49.6	22.5	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Cu-foil + 40 % BC Braid 18.0 Ω/km*** 5.4 mm	0.268	6.80	75	81 %	16.8	55.0	5 50 100 230 400 800 862 1000 1350 1750 2150 2400	0.4 1.3 1.9 2.8 3.8 5.4 5.6 6.1 7.1 8.2 9.2 9.8	1.4 4.3 6.1 9.2 12.3 17.7 18.4 19.9 23.4 27.0 30.2 32.1
			Return loss at	5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 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: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • PVC Jacket (Black, Brown, Crème, Grey or White)																			
70°C	**H125C00**		B-328 820 1640 3280	B-100 250 500 1000	10.4 25.9 51.8 103.6	4.7 11.8 23.5 47.0	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Cu-foil + 40 % BC Braid 18.0 Ω/km*** 5.4 mm	0.268	6.80	75	81 %	16.8	55.0	see above		
			Return loss at	5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 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: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N									
Brown, Crème and Grey available in B-100 m only.																			
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H125C03**		820	250	49.1	22.3	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Cu-foil + 40 % BC Braid 18.0 Ω/km*** 5.24 mm	0.268 0.531	6.80 13.50	75	81 %	16.8	55.0	see above		
			Return loss at	5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB						Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N									
ShotGun																			
H125A • Solid 1.0 mm Bare Copper • **Duofoil®** • 70 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**H125A08**		1640	500	45.2	20.5	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duofoil® + 70 % TC Braid 18.0 Ω/km*** 5.5 mm	0.268	6.80	75	81 %	16.8	55.0	5 50 100 230 400 800 862 1000 1350 1750 2150 2400	0.5 1.4 2.0 3.0 3.9 5.7 5.9 6.4 7.5 8.7 9.7 10.4	1.8 4.7 6.5 9.8 12.9 18.6 19.3 20.9 24.6 28.4 31.9 34.0
			Return loss at	5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 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: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • White FRNC/LSNH Jacket																			
70°C	**H125A07**	IEC 332-1	B-328 1640	B-100 500	10.8 54.0	4.9 24.5	1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km**	0.189	4.80	Duofoil® + 70 % TC Braid 18.0 Ω/km*** 5.5 mm	0.268	6.80	75	81 %	16.8	55.0	see above		
			Return loss at	5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 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: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N									

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

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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
H125A • Solid 1.0 mm Bare Copper • **Duofoil®** • 70 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H125A06**		B-328	B-100	10.6	4.8	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	5	0.5	1.8
			U-820	U-250	26.5	12.0	Solid BC			+ 70% TC							50	1.4	4.7
			1640	500	52.9	24.0	41.0 Ω/km*			Braid							100	2.0	6.5
							23.0 Ω/km**			18.0 Ω/km***							230	3.0	9.8
										5.5 mm							400	3.9	12.9
																	800	5.7	18.6
																	862	5.9	19.3
																	1000	6.4	20.9
			Return loss at	5-470 MHz: ≥ 23 dB						Screening attenuation at 30-1000 MHz: ≥ 85 dB							1350	7.5	24.6
				470-1000 MHz: ≥ 20 dB						Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m							1750	8.7	28.4
				1000-2000 MHz: ≥ 18 dB						Screening Class: B							2150	9.7	31.9
				2000-3000 MHz: ≥ 16 dB						Pulling Tension: 55 N							2400	10.4	34.0
Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket																			
70°C	**H125A01**		B-328	B-100	8.2	3.7	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	see above		
			820	250	20.4	9.3	Solid BC			+ 40% TC									
			1640	500	40.8	18.5	50.0 Ω/km*			Braid									
							23.0 Ω/km**			27.0 Ω/km***									
										5.4 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: ≤ 40.0 mΩ/m									
				1000-2000 MHz: ≥ 18 dB						Screening Class: C									
				2000-3000 MHz: ≥ 16 dB						Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket																			
70°C	**H125A03**	IEC 332-1	B-328	B-100	9.3	4.2	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	see above		
			1640	500	46.3	21.0	Solid BC			+ 40% TC									
							50.0 Ω/km*			Braid									
							23.0 Ω/km**			27.0 Ω/km***									
										5.4 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: ≤ 40.0 mΩ/m									
				1000-2000 MHz: ≥ 18 dB						Screening Class: C									
				2000-3000 MHz: ≥ 16 dB						Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • PVC Jacket (Black, Brown, Grey or White)																			
70°C	**H125A00**		B-328	B-100	9.7	4.4	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	see above		
			U-820	U-250	24.3	11.0	Solid BC			+ 40% TC									
			1640	500	48.5	22.0	50.0 Ω/km*			Braid									
							23.0 Ω/km**			27.0 Ω/km***									
										5.4 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: ≤ 40.0 mΩ/m									
				1000-2000 MHz: ≥ 18 dB						Screening Class: C									
Brown, Crème and Grey available in B-100 m only.				2000-3000 MHz: ≥ 16 dB						Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • Black PVC Jacket																			
70°C	**H125A04**		820	250	46.8	21.3	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	see above		
							Solid BC			+ 40% TC	0.559	14.20							
							50.0 Ω/km*			Braid									
							23.0 Ω/km**			27.0 Ω/km***									
										5.4 mm									
			Return loss at	5-470 MHz: ≥ 23 dB						Screening attenuation at 30-1000 MHz: ≥ 75 dB									
				470-1.000 MHz: ≥ 20 dB						Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m									
ShotGun				1000-2000 MHz: ≥ 18 dB						Screening Class: C									
				2000-3000 MHz: ≥ 16 dB						Pulling Tension: 55 N									
Gas-Injected Polyethylene Insulation • Black PE Jacket																			
70°C	**H125A02**		1640	500	83.8	38.0	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81%	16.8	55.0	see above		
							Solid BC			+ 50% TC		x							
							41.0 Ω/km*			Braid		12.00							
							23.0 Ω/km**			18.0 Ω/km***									
										5.4 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 mΩ/m									
				1000-2000 MHz: ≥ 18 dB						Screening Class: B									
4.4 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.

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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
H121A • Solid 0.8 mm Bare Copper • **Duofoil®** • 40 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H121A02**		C-328	C-100	11.0	5.0	0.8 mm Solid BC 75.0 Ω/km* 35.0 Ω/km**	0.138	3.50	Duofoil® + 40 % TC Braid 40.0 Ω/km*** 4.1 mm	0.197 0.417	5.00 10.60	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
ShotGun			Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB; Transfer impedance at 5-30 MHz: ≤ 33.0 mΩ/m; Screening Class: C; Pulling Tension: 40 N							1350	9.1	30.0
																	1750	10.5	34.5
																	2150	11.8	38.6
																	2400	12.5	41.0
H123A • Solid 0.65 mm Bare Copper • **Duofoil®** • 88 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • FRNC/LSNH Jacket (White or Black)																			
70°C	**H123A02**	IEC 332-1	1640	500	30.9	14.0	0.65 mm Solid BC 72.0 Ω/km* 55.0 Ω/km**	0.114	2.90	Duofoil® + 88 % TC Braid 17.0 Ω/km*** 3.4 mm	0.169	4.30	75	84 %	16.5	54.0	5	0.8	2.7
																	50	2.1	7.0
																	100	3.0	9.7
																	230	4.4	14.5
																	400	5.8	19.1
																	800	8.3	27.3
																	862	8.6	28.3
																	1000	9.3	30.6
			Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m; Screening Class: B; Pulling Tension: 33 N							1350	10.9	35.9
																	1750	12.6	41.2
																	2150	14.0	46.0
																	2400	14.9	48.9
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H123A01**		B-328	B-100	6.4	2.9	0.65 mm Solid BC 72.0 Ω/km* 55.0 Ω/km**	0.114	2.90	Duofoil® + 88 % TC Braid 17.0 Ω/km*** 3.4 mm	0.169	4.30	75	84 %	16.5	54.0	see above		
			1640	500	32.0	14.5													
			Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m; Screening Class: B; Pulling Tension: 33 N									
Gas-Injected Polyethylene Insulation • PVC Jacket (Black, Blue, Green, Red or White)																			
70°C	**H123A00**		B-328	B-100	4.0	1.8	0.65 mm Solid BC 92.0 Ω/km* 55.0 Ω/km**	0.114	2.90	Duofoil® + 44 % TC Braid 37.0 Ω/km*** 3.4 mm	0.163	4.15	75	84 %	16.5	54.0	see above		
			U-820	U-250	9.9	4.5													
			1640	500	19.8	9.0													
			26240	8.000	317.5	144.0													
			Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB; Transfer impedance at 5-30 MHz: ≤ 37.0 mΩ/m; Screening Class: C; Pulling Tension: 33 N									
U 250 m and 500 m put-up available in White only.																			
H122A • Solid 0.4 mm Copper-Covered Steel • **Duofoil®** • 60 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • White PVC Jacket																			
70°C	**H122A00**		B-328	B-100	3.1	1.4	0.4 mm Solid CCS 490.0 Ω/km* 450.0 Ω/km**	0.077	1.95	Duofoil® + 60 % TC Braid 40.0 Ω/km*** 2.1 mm	0.144	3.65	75	80 %	16.8	55.0	5	1.4	4.7
			1640	500	15.4	7.0											50	3.4	11.3
																	100	4.6	15.3
																	230	6.5	21.2
																	400	9.1	30.0
																	800	13.2	43.3
																	862	13.4	43.8
																	1000	14.8	48.5
			Return loss at 5-470 MHz: ≥ 20 dB; 470-1000 MHz: ≥ 18 dB; 1000-2000 MHz: ≥ 16 dB; 2000-3000 MHz: ≥ 15 dB							Screening attenuation at 30-1000 MHz: ≥ 85 dB; Transfer impedance at 5-30 MHz: ≤ 25.0 mΩ/m; Screening Class: C; Pulling Tension: 40 N							1350	17.2	56.5
																	1750	19.7	64.8
																	2150	22.1	72.5
																	2400	23.4	76.9

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper • CCS = Copper-Covered Steel

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