Security Coaxial Cables

Surveillance and CCTV Applications

NEW GENERATION®

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 Insulation OD inch	Nominal Insulation OD 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
H109A • Solid 1.0 mm Bare Copper • **Copper-foil** • 55 % Bare Copper Braid																			
5-Cell Gas-Injected Polyethylene Insulation • Black PVC Jacket																			
80°C	**H109A00**		820	250	10.4	4.7	1.0 mm	0.185	4.70	Cu-foil	0.262	6.65	75	80 %	17.1	56.0	5	0.5	1.6
			1640	500	26.0	11.8	Solid BC			+ 55% BC							50	1.4	4.6
							41.0 Ω/km*			Braid							100	2.0	6.5
							26.0 Ω/km**			15.0 Ω/km***							230	3.0	9.8
										5.2 mm							400	4.5	14.8
																	800	5.9	19.2
																	860	5.9	19.5
1.0/4.8		Return loss at	5-470 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB							1000	6.6	21.5
			470-862 MHz: ≥ 20 dB							Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m									
			862-2150 MHz: ≥ 18 dB							Pulling Tension: 55 N									
H125A • Solid 1.0 mm Bare Copper • **Duofoil®** • 40 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • PVC Jacket (Brown, Black and White)																			
80°C	**H125A00**		328	100	10.4	4.7	1.0 mm	0.189	4.80	Duofoil®	0.268	6.80	75	81 %	16.8	55.0	5	0.5	1.8
			820	250	26.0	11.8	Solid BC			+ 40% TC							50	1.4	4.7
			1640	500	51.8	23.5	50.0 Ω/km*			Braid							100	2.0	6.5
							23.0 Ω/km**			27.0 Ω/km***							230	3.0	9.8
																	400	3.9	12.9
																	800	5.7	18.6
																	860	5.9	19.3
1.0/4.8		Return loss at	5-470 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB							1000	6.4	20.9
			470-862 MHz: ≥ 20 dB							Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m									
			862-2150 MHz: ≥ 18 dB							Pulling Tension: 55 N									
H121A • Solid 0.8 mm Bare Copper • **Duofoil®** • 40 % Tinned Copper Braid																			
Gas-Injected Polyethylene Insulation • PVC Jacket (Brown, Black and White)																			
80°C	**H121A00**		328	100	15.1	6.9	0.8 mm	0.138	3.50	Duofoil®	0.197	5.00	75	82%	16.5	54.0	5	0.5	1.7
			820	250	37.9	17.2	Solid BC			+ 40% TC							50	1.8	5.9
			1640	500	75.7	34.4	75.0 Ω/km*			Braid							100	2.0	8.1
							35.0 Ω/km**			40.0 Ω/km***							230	3.7	12.1
										4.1 mm							400	4.8	15.9
																	800	6.9	22.7
																	860	7.2	23.6
1.0/4.8		Return loss at	5-470 MHz: ≥ 20 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB							1000	7.8	25.6
			470-862 MHz: ≥ 18 dB							Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m									
			862-2150 MHz: ≥ 16 dB							Pulling Tension: 55 N									

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

Duofoil® see technical information page 23.13.