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. ( )	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 /km*			Braid							100	2.0	6.5
							26.0 /km**			15.0 /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 470-862 MHz: 20 dB 862-2150 MHz: 18 dB								Screening attenuation at 30-1000 MHz: 75 dB Transfer impedance at 5-30 MHz: 15.0 m /m Pulling Tension: 55 N							1000	6.6	21.5
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 /km*			Braid							100	2.0	6.5
							23.0 /km**			27.0 /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 470-862 MHz: 20 dB 862-2150 MHz: 18 dB								Screening attenuation at 30-1000 MHz: 75 dB Transfer impedance at 5-30 MHz: 40.0 m /m Pulling Tension: 55 N							1000	6.4	20.9
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 /km*			Braid							100	2.0	8.1
							35.0 /km**			40.0 /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 470-862 MHz: 18 dB 862-2150 MHz: 16 dB								Screening attenuation at 30-1000 MHz: 75 dB Transfer impedance at 5-30 MHz: 40.0 m /m Pulling Tension: 55 N							1000	7.8	25.6

* 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.

Security Coaxial Cables

Surveillance and CCTV Applications
Shielded or Flooded for Use in Underground Ducts

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. ( )	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
25 AWG • Solid 0.5 mm Bare Copper • 94 % Bare Copper Braid																			
Gas-Injected Foam PE Insulation • PVC Jacket (Brown, Red, Yellow, Green, Blue, White and Black)																			
75°C	**573945**	NEC:	U-1000	U-305	15.0	6.8	0.46 mm	0.085	2.16	94% BC	0.146	3.71	75	80%	16.9	55.4	1	0.5	1.5
		CM	1000	305	14.1	6.4	25 AWG			Braid							5	0.9	3.0
		CEC:					Solid BC			18.4 /km***							10	2.0	4.3
		CM FT1					101.7 /km*										50	3.0	9.8
							83.3 /km**										100	4.1	13.5
																	200	6.0	19.7
Mini RG-59																	400	8.6	28.2
																	700	11.6	38.1
			Nominal Delay: 4.167 ns/m							Pulling Tension: 125 N							900	13.5	44.3
																	1000	14.5	47.6
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**473945**	IEC	328	100	4.6	2.1	0.46 mm	0.085	2.16	95% BC	0.146	3.70	75	80%	16.9	55.4			see above
		60754-2	1640	500	23.1	10.5	25 AWG			Braid									
							Solid BC			18.4 /km***									
							101.7 /km*												
							83.3 /km**												
Mini RG-59																			
			Nominal Delay: 4.167 ns/m							Pulling Tension: 125 N									
22 AWG • Stranded (7x30) 0.8 mm Bare Copper • 95 % Bare Copper Braid																			
Gas-Injected Foam PE Insulation • Black PVC Jacket																			
75°C	**551945**	NEC:	U-1000	U-305	33.1	15.0	0.76 mm	0.140	3.56	95% BC	0.232	5.89	75	78%	17.3	56.8	1	0.3	1.0
		CM	1000	305	30.0	13.6	22 AWG			Braid							10	0.9	3.0
		CEC:					(7x30) BC			8.5 /km***							50	2.1	6.9
		CM FT1					49.2 /km*										100	3.0	9.8
							40.7 /km**										200	4.5	14.8
																	400	6.6	21.7
RG-59																	700	8.9	29.2
			Nominal Delay: 4.265 ns/m							Pulling Tension: 218 N							900	10.1	33.1
																	1000	10.9	35.8
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**451945**	IEC	328	100	8.2	3.7	0.76 mm	0.140	3.56	95% BC	0.232	5.90	75	78%	17.3	56.8			see above
		60754-2	1640	500	41.2	18.7	22 AWG			Braid									
							(7x30) BC			8.5 /km***									
							49.2 /km*												
							40.7 /km**												
RG-59																			
			Nominal Delay: 4.265 ns/m							Pulling Tension: 218 N									
20 AWG • Solid 0.8 mm Bare Copper • 95 % Bare Copper Braid																			
Gas-Injected Foam PE Insulation • PVC Jacket (White or Black)																			
75°C	**543945**	NEC:	U-500	U-152	12.6	5.7	0.81 mm	0.145	3.68	95% BC	0.232	5.89	75	83%	16.3	53.5	1	0.3	1.0
		CM	500	152	13.2	6.0	20 AWG			Braid							5	0.7	2.1
		CEC:	U-1000	U-305	24.9	11.3	Solid BC			11.4 /km***							10	2.0	3.0
		CM FT1	1000	305	31.1	14.1	32.8 /km*										50	1.9	6.2
							21.4 /km**										100	2.6	8.5
																	200	3.6	11.8
RG-59																	400	5.0	16.4
																	700	7.0	23.0
			Nominal Delay: 3.97 ns/m							Pulling Tension: 218 N							900	8.0	26.2
																	1000	8.5	27.9

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

Security Coaxial Cables

Surveillance and CCTV Applications
Shielded or Flooded for Use in Underground Ducts

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. ( )	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
20 AWG • Solid 0.8 mm Bare Copper • 95% Bare Copper Braid																			
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**443945**	IEC 60754-2	328 1640	100 500	10.6 52.5	4.8 23.8	0.81 mm 20 AWG Solid BC 32.8 /km* 21.4 /km**	0.145	3.68	95% BC Braid 11.4 /km***	0.232	5.90	75	83%	16.3	53.5	1 5 10 50 100 200 400 700 900 1000	0.3 0.7 2.0 1.9 2.6 3.6 5.0 7.0 8.0 8.5	1.0 2.1 3.0 6.2 8.5 11.8 16.4 23.0 26.2 27.9
 RG-59			Nominal Delay: 3.97 ns/m							Pulling Tension: 218 N									
18 AWG • Solid 1.0 mm Bare Copper • 95% Bare Copper Braid																			
Foam PE Insulation • PVC Jacket (White or Black)																			
75°C	**533945**	NEC: CM CEC: CM FT1	500 U-1000 1000	152 U-305 305	20.9 39.9 41.0	9.5 18.1 18.6	1.02 mm 18 AWG Solid BC 20.9 /km* 10.8 /km**	0.180	4.57	95% BC Braid 10.1 /km***	0.266	6.76	75	83%	16.3	53.5	1 5 10 50 100 200 400 700 900 1000	0.2 0.5 2.0 1.5 2.1 3.0 4.3 5.8 6.7 7.1	0.7 1.5 2.1 4.8 6.9 9.8 14.1 19.0 22.0 23.3
 RG-6			Nominal Delay: 4.003 ns/m							Pulling Tension: 507 N									
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**433945**	IEC 60754-2	328 1640	100 500	13.4 67.2	6.1 30.5	1.02 mm 18 AWG Solid BC 20.9 /km* 10.8 /km**	0.180	4.57	95% BC Braid 10.1 /km***	0.266	6.75	75	83%	16.3	53.5			see above
 RG-6			Nominal Delay: 4.003 ns/m							Pulling Tension: 507 N									
14 AWG • Solid 1.6 mm Bare Copper • 95% Bare Copper Braid																			
Gas-Injected Foam PE Insulation • Black PVC Jacket																			
75°C	**513945**	NEC: CM CEC: CM FT1	500 1000	152 305	52.5 98.1	23.8 44.5	1.63 mm 14 AWG Solid BC 8.5 /km* 4.6 /km**	0.280	7.11	95% BC Braid 3.9 /km***	0.405	10.29	75	84%	16.1	52.8	1 10 50 100 200 400 700 900 1000	0.2 0.4 0.9 1.3 1.9 2.9 4.1 4.8 5.2	0.6 1.1 3.0 4.3 6.2 9.5 13.5 15.7 17.1
 RG-11			Nominal Delay: 3.97 ns/m							Pulling Tension: 640 N									
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**413945**	IEC 60754-2	500 1640	152 500	100.0 159.4	14.5 72.3	1.63 mm 14 AWG Solid BC 8.5 /km* 4.6 /km**	0.280	7.11	95% BC Braid 3.9 /km***	0.406	10.30	75	84%	16.1	52.8			see above
 RG-11			Nominal Delay: 3.97 ns/m							Pulling Tension: 640 N									

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

Security Coaxial Cables

Water-Blocked for Use in Underground Ducts

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. ( )	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
20 AWG • Solid 0.8 mm Bare Copper • **Duobond® II** • 95 % Tinned Copper Braid • **CoreGuard®**																			
Gas-Injected Foam PE Insulation • Black UV-Resistant PVC Jacket																			
75°C	**5439W5**	NEC:	U-500	U-152	17.4	7.9	0.81 mm	0.145	3.68	Duobond® II	0.236	5.99	75	83 %	16.3	53.5	1	0.3	1.0
		CM	500	152	17.4	7.9	20 AWG			+ 95 % TC							5	0.6	2.1
		CEC:	U-1000	U-305	34.0	15.4	Solid BC			Braid							10	2.0	2.9
		CM FT1	1000	305	34.0	15.4	32.8 /km*			8.2 /km***							50	1.7	5.6
							24.6 /km**										100	2.3	7.5
																	200	3.4	11.2
CoreGuard®																	400	4.7	15.4
																	700	6.3	20.7
RG-59			Nominal Delay: 3.97 ns/m							Pulling Tension: 253 N							900	7.3	24.0
																	1000	7.8	25.6
18 AWG • Solid 1.0 mm Bare Copper • **Duofoil®** • 60 % Aluminum Braid • **CoreGuard®**																			
Gas-Injected Foam PE Insulation • Black UV-Resistant PVC Jacket																			
75°C	**5339W5**	NEC:	U-500	U-152	15.4	7.0	1.02 mm	0.180	4.57	Duofoil®	0.270	6.86	75	83 %	16.3	53.5	4	0.6	2.0
		CM	500	152	15.4	7.0	18 AWG			+ 60 % AL							30	1.3	4.4
		CEC:	U-1000	U-305	30.0	13.6	Solid BC			Braid							211	2.0	10.1
		CM FT1	1000	305	30.0	13.6	20.9 /km*			10.1 /km***							270	3.5	11.5
							10.8 /km**										300	3.7	12.1
																	330	3.9	12.8
CoreGuard®																	400	4.3	14.1
																	450	4.6	15.0
RG-6																	550	5.1	16.7
			Nominal Delay: 3.97 ns/m							Pulling Tension: 302 N							750	6.0	19.7
																	870	6.5	21.3
																	1000	7.0	23.0

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

Duofoil® and Duobond® II see technical information page 23.13.

Security Coaxial Cables

CATV and MATV Applications Commercial or Schlage Systems

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. ( )	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
18 AWG • Solid 1.0 mm Bare Copper • **Duofoil®** • 60 % Aluminum Braid																			
Gas-Injected Foam PE Insulation • PVC Jacket (White or Black)																			
75°C	**5339B5**	NEC:	U-500	U-152	17.4	7.9	1.02 mm	0.180	4.57	Duofoil®	0.266	6.76	75	83%	16.3	53.5	5	0.8	2.7
		CM	500	152	15.4	7.0	18 AWG			+ 60% AL							55	1.6	5.3
		CEC:	U-1000	U-305	34.0	15.4	Solid BC			Braid							211	2.0	10.1
		CM FT1	1000	305	35.1	15.9	20.9 /km*			10.1 /km***							270	3.5	11.5
							10.8 /km**										300	3.7	12.1
																	330	3.9	12.8
Series 6 RG-6																	400	4.3	14.1
																	450	4.6	15.0
																	550	5.1	16.7
			Also available in White.							Nominal Delay: 3.97 ns/m							750	6.0	19.7
										Pulling Tension: 302 N							870	6.5	21.3
																	1000	7.0	23.0
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**4339B5**	IEC	328	100	11.9	5.4	1.02 mm	0.180	4.57	Duofoil®	0.272	6.90	75	83%	16.3	53.5			see above
		60754-2	1640	500	59.3	26.9	18 AWG			+ 63% BC									
		IEC 332-1					Solid BC			Braid									
							20.9 /km*			10.1 /km***									
							10.8 /km**												
Series 6 RG-6																			
										Nominal Delay: 3.97 ns/m									
										Pulling Tension: 302 N									
18 AWG • Solid 1.0 mm Bare Copper • **Quad Shield**																			
Gas-Injected Foam PE Insulation • PVC Jacket (White or Black)																			
75°C	**5339Q5**	NEC:	500	152	19.0	8.6	1.02 mm	0.180	4.57	Duofoil®	0.298	7.57	75	83%	16.3	53.5			see above
		CM	U-1000	U-305	35.9	16.3	18 AWG			+ 60% AL									
		CEC:	1000	305	35.9	16.3	Solid BC			Braid									
		CM FT1					20.9 /km*			Duofoil®									
							10.8 /km**			+ 40% AL									
										Braid									
Series 6 RG-6										10.1 /km***									
										Nominal Delay: 3.97 ns/m									
										Pulling Tension: 462 N									
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																			
70°C	**4339Q5**	IEC	328	100	12.3	5.6	1.02 mm	0.180	4.57	Duofoil®	0.299	7.60	75	83%	16.3	53.5			see above
		60754-2	1640	500	62.6	28.4	18 AWG			+ 60% AL									
		IEC 332-1					Solid BC			Braid									
							20.9 /km*			Duofoil®									
							10.8 /km**			+ 40% AL									
										Braid									
Series 6 RG-6										10.1 /km***									
										Nominal Delay: 3.97 ns/m									
										Pulling Tension: 462 N									
18 AWG • Solid 1.0 mm Bare Copper • **Duobond® (Schlage Systems)** • 60 % Aluminum Braid																			
Foam PE Insulation • Black PVC Jacket																			
75°C	**5399B5**	NEC:	U-1000	U-305	28.0	12.7	1.02 mm	0.180	4.57	Duobond®	0.270	6.86	75	83%	16.3	53.5	4	0.6	2.0
		CM	1000	305	29.1	13.2	18 AWG			+ 60% AL							30	1.3	4.4
		CEC:					Solid BC			Braid							211	2.0	10.1
		CM FT1					20.9 /km*			10.1 /km***							270	3.5	11.5
							10.8 /km**										300	3.7	12.1
																	330	3.9	12.8
Series 6 RG-6																	400	4.3	14.1
																	450	4.6	15.0
																	550	5.1	16.7
										Nominal Delay: 3.97 ns/m							750	6.0	19.7
										Pulling Tension: 302 N							870	6.5	21.3
																	1000	7.0	23.0

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

Quad Shield = Duofoil Tape + 60% Aluminum Braid + Duofoil Tape + 40% Aluminum Braid
Duofoil® and Duobond® see technical information page 23.13.