






Security Coaxial Cables

Surveillance and CCTV Applications

Shielded or Flooded for Use in Underground Ducts



De-scription	Part No.	UL NEC / C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		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															
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  Mini RG-59	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																
																400	8.6	28.2																
																700	11.6	38.1																
																900	13.5	44.3																
																1000	14.5	47.6																
																Nominal Delay: 4.167 ns/m			Pulling Tension: 125 N															
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																																		
70°C  Mini RG-59	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**																										
																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  RG-59	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																
																700	8.9	29.2																
																900	10.1	33.1																
																1000	10.9	35.8																
																Nominal Delay: 4.265 ns/m			Pulling Tension: 218 N															
Gas-Injected Foam PE Insulation • Grey FRNC/LSNH Jacket																																		
70°C  RG-59	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**																										
																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  RG-59	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																
																400	5.0	16.4																
																700	7.0	23.0																
																900	8.0	26.2																
																1000	8.5	27.9																
																Nominal Delay: 3.97 ns/m			Pulling Tension: 218 N															


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

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De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		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
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	3.68	95% BC Braid 11.4 /km***	0.232 5.90	5.90	75	83%	16.3 53.5	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	4.57	95% BC Braid 10.1 /km***	0.266 6.76	6.76	75	83%	16.3 53.5	53.5	1 5 10 50 100 200 400 700 900 1000	0.2 0.5 2.0 1.5 2.1 4.8 6.9 9.8 14.1 19.0 22.0 23.3	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	4.57	95% BC Braid 10.1 /km***	0.266 6.75	6.75	75	83%	16.3 53.5	53.5	see above	see above	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	7.11	95% BC Braid 3.9 /km***	0.405 10.29	10.29	75	84%	16.1 52.8	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	7.11	95% BC Braid 3.9 /km***	0.406 10.30	10.30	75	84%	16.1 52.8	52.8	see above	see above	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