

Broadband Coaxial Cables

CATV Cables, Series 6, Low-Smoke Zero-Halogen

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
Series 6 • 18 AWG • Solid 1.0 mm Copper-Covered Steel • Duobond® II • 60% Aluminum Braid																			
Gas-Injected Foam Polyethylene Insulation • Black FRNC/LSNH Jacket																			
75°C	9116SB	NEC: CEC: CMG-LS FT4 Limited Smoke	1000	305	31.1	14.1	1.02 mm 18 AWG Solid CCS 121.4 /km* 91.9 /km**	0.180	4.57	Duobond® II + 60% AL Braid 29.5 /km*** 5.4 mm	0.274	6.96	75	83%	16.2	53.1	5	0.54	1.77
																	55	1.45	4.76
																	211	2.64	8.66
																	270	2.97	9.74
																	300	3.13	10.27
																	350	3.39	11.12
																	375	3.52	11.55
																	400	3.65	11.97
																	450	3.88	12.73
																	500	4.09	13.42
																	600	4.51	14.80
																	650	4.72	15.49
																	700	4.92	16.14
																	750	5.11	16.76
																	800	5.27	17.29
																	862	5.47	17.95
																	870	5.49	18.01
																	900	5.60	18.37
																	950	5.79	19.00
																	1000	5.99	19.65
																	1450	7.80	25.60
																	1800	8.60	28.20
																	2250	9.82	32.20
																	3000	11.31	37.10

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • CCS = Copper-Covered Steel • AL = Aluminum

Precision Video Cable for Analog and Digital

Low Loss Serial Digital Coax, RG-6U Type, Low-Smoke Zero-Halogen

De- Description	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
RG-6/U Type • 18 AWG • Solid 1.0 mm Bare Copper • Duofoil® • 95% Tinned Copper Braid																			
Gas-injected Foam HDPE Insulation • Black FRNC/LSNH Jacket																			
SDI/HDTV Digital Video 75°C	1694SB	NEC: CEC: CMG-LS FT4 Limited Smoke	1000	305	46.0	20.9	1.02 mm 18 AWG Solid BC 30.2 /km* 21.0 /km**	0.180	4.57	Duofoil® + 95% TC Braid 9.2 /km***	0.274	6.96	75	82%	16.2	53.1	1	0.2	0.8
																	3.6	0.5	1.5
																	10	0.7	2.4
																	71.5	1.6	5.2
																	135	2.1	6.9
																	270	3.0	9.7
																	360	3.4	11.3
																	540	4.2	13.9
																	720	4.9	16.2
																	750	5.0	16.4
																	1000	5.9	19.3
																	1500	7.3	24.0
																	2250	9.1	30.0
																	3000	10.7	35.0
																	4500	13.3	43.6

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

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

Series 6 • Solid 1.02 mm Copper-Covered Steel • Duobond® II • 60% Aluminum Braid

Gas-Injected Foam Polyethylene Insulation • Black PVC Jacket																										
80°C	9116	NEC: CATV CM CEC: CM	U-1000 1000	U-305 305	30.0 31.1	13.6 14.1	1.016 mm Solid CCS 121.3 /km* 91.9 /km**	0.180	4.57	Duobond® II + 60% AL Braid 29.5 /km*** 5.4 mm	0.270	6.86	75	83%	16.2	53.1	5	0.5	1.8							
																	55	1.5	4.8							
																	240	2.8	9.2							
																	450	3.9	12.7							
																	862	5.5	18.0							
																	1000	6.0	19.7							
																	1450	7.8	25.6							
																	1800	8.6	28.2							
																	2250	9.8	32.2							
																	3000	11.3	37.1							
Return loss at			5-470 MHz: 23 dB				470-862 MHz: 20 dB				862-2150 MHz: 18 dB				Screening attenuation at 30-1000 MHz: 85 dB				Transfer impedance at 5-30 MHz: 15.0 m /m				Screening Class: B			

Series 6 • Solid 1.02 mm Copper-Covered Steel • Duobond® III • 60% Aluminum Braid Shield

Gas-Injected Foam Polyethylene Insulation • Black PVC Jacket																										
80°C	9118	NEC: CATV CM CEC: CM	U-1000 1000	U-305 305	30.0 30.0	13.6 13.6	1.016 mm Solid CCS 113.2 /km* 91.9 /km**	0.180	4.57	Duobond® III + 60% AL Braid Duofoil® 21.3 /km*** 5.4 mm	0.278	7.06	75	83%	16.2	53.1	see above									
Return loss at			5-470 MHz: 23 dB				470-862 MHz: 20 dB				862-2150 MHz: 18 dB				Screening attenuation at 30-1000 MHz: 85 dB				Transfer impedance at 5-30 MHz: 15.0 m /m				Screening Class: B			

RG6D • Solid 1.0 mm Copper-Covered Steel • Duobond Plus® • 50% Tinned Copper Braid

Gas-Injected Polyethylene Insulation • White PVC Jacket																																		
70°C	RG6D01		U-820	U-250	27.0	12.3	1.0 mm Solid CCS 69.0 /km* 55.0 /km**	0.180	4.57	Duobond Plus® + 50% TC Braid 14.0 /km*** 5.4 mm	0.272	6.90	75	82%	16.5	54.0	5	0.5	1.8															
																	50	1.4	4.7															
																	100	2.0	6.5															
																	230	3.0	9.8															
																	400	4.0	13.0															
																	800	5.7	18.7															
																	862	5.9	19.5															
																	1000	6.4	21.1															
																	1350	7.6	24.9															
																	1750	8.8	28.8															
																	2150	9.8	32.3															
																	2400	10.5	34.4															
																	3000	12.0	39.2															
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: 100 dB				Transfer impedance at 5-30 MHz: 4.5 m /m				Screening Class: A				Pulling Tension: 570 N			

Gas-Injected Polyethylene Insulation • White PVC Jacket																																		
70°C	RG6D00		U-820	U-250	25.9	11.8	1.0 mm Solid CCS 71.0 /km* 55.0 /km**	0.180	4.57	Duobond Plus® + 40% TC Braid 16.0 /km*** 5.4 mm	0.272	6.90	75	82%	16.5	54.0	see above																	
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: 100 dB				Transfer impedance at 5-30 MHz: 4.5 m /m				Screening Class: A				Pulling Tension: 570 N			

RG6A • Solid 1.0 mm Copper-Covered Steel • Duofoil® • 40% Tinned Copper Braid

Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)																																		
70°C	RG6A00		B-328 U-820	B-100 U-250	10.6 26.5	4.8 12.0	1.0 mm Solid CCS 131.0 /km* 105.0 /km**	0.180	4.57	Duofoil® + 40% TC Braid 26.0 /km*** 5.3 mm	0.272	6.90	75	82%	16.5	54.0	see above																	
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: 40.0 m /m				Screening Class: C				Pulling Tension: 570 N			

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • AL = Aluminum • CCS = Copper-Covered Steel
Duofoil®, Duobond® II, Duobond® III and Duobond Plus® see technical information page 23.13.