Standard Analog Video Cables

75 Ohm Coax

BRILLIANCE®

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

23 AWG • Solid 0.6 mm Copper-Covered Steel Conductor • 95 % Bare Copper Braid

Polyethylene Insulation • Black PVC Jacket

30V RMS	**8241**	NEC:	100	31	4.4	2.0	0.58 mm	0.146	3.71	95% BC	0.240	6.10	75	66%	20.5	67.3	1	0.6	2.0
75°C		CM	U-500	U-152	19.5	8.8	23 AWG			Braid							10	1.1	3.6
UL AWM Style 1354, VW1			500	152	18.5	8.4	Solid CCS			8.5 Ω/km***							50	2.4	7.9
			U-1000	U-305	38.0	17.2	169.2 Ω/km*										100	3.4	11.2
			1000	305	40.0	18.1	160.7 Ω/km**										200	4.9	16.1
			2000	610	80.0	36.3											400	7.0	23.0
			5000	1524	200.0	90.7											700	9.7	31.8
0.6/3.7																	900	11.1	36.4
RG-59/U Typ																	1000	12.0	39.4

U-305 m put-up also available in Red, Yellow, Green, Light Blue, White, Orange and Black.

Nominal Delay: 5.053 ns/m
Pulling Tension: 276 N

22 AWG • Stranded (7x30) 0.8 mm Bare Copper Conductor • 95 % Bare Copper Braid

Polyethylene Insulation • Black PVC Jacket

30V RMS	**9259**	NEC:	100	31	4.1	1.9	0.76 mm	0.146	3.71	95% BC	0.241	6.12	75	78%	17.3	56.7	1	0.3	1.0
80°C		CM	U-500	U-152	18.1	8.2	22 AWG			Braid							10	0.9	3.0
UL AWM Style 1354		CEC:	500	152	16.6	7.5	(7x30) BC			8.5 Ω/km***							50	2.1	6.9
		CM	U-1000	U-305	35.0	15.9	57.7 Ω/km*										100	3.0	9.8
			1000	305	37.0	16.8	49.2 Ω/km**										200	4.5	14.8
																	400	6.6	21.7
0.7/3.7																	700	8.9	29.2
																	900	10.1	33.1
For CCTV applications.																	1000	10.9	35.8

Nominal Delay: 5.053 ns/m
Pulling Tension: 275 N

20 AWG • Solid 0.8 mm Bare Copper • 98 % Tinned Copper Double Braid

Polyethylene Insulation • Polyethylene Jacket (Red, Yellow, Green, Light Blue, White, Orange and Black)

80°C	**8281**		500	152	37.5	17.0	0.81 mm	0.198	5.03	Double Braid	0.305	7.75	75	66%	21.0	68.9	1	0.3	1.0
			1000	305	74.0	33.6	20 AWG			98% TC							3.6	0.5	1.6
							Solid BC			3.6 Ω/km***							10	0.8	2.6
							36.1 Ω/km*										71.5	2.1	6.9
							32.5 Ω/km**										135	3.0	9.8
																	270	4.3	14.1
0.8/5.0																	360	5.1	16.7
RG-59/U Type																	540	6.3	20.7
																	720	7.4	24.3
152 m put-up not available in White.																	750	7.6	24.9
																	1000	9.2	30.2

Nominal Delay: 5.053 ns/m
Pulling Tension: 515 N

18 AWG • Solid 1.0 mm Bare Copper • **Duofoil®** • 60 % Tinned Copper Braid

Gas-Injected Foam HDPE Insulation • Black PVC Jacket

30V RMS	**9248**	NEC:	U-500	U-152	16.5	7.5	1.02 mm	0.180	4.57	Duofoil®	0.270	6.86	75	82%	16.2	53.1	1	0.3	1.0
80°C		CM	500	152	15.0	6.8	18 AWG			+ 60% TC							10	0.7	2.3
UL AWM Style 1354		CEC:	U-1000	U-305	32.0	14.5	Solid BC			Braid							50	1.5	4.9
		CM	1000	305	33.0	15.0	39.4 Ω/km*			18.4 Ω/km***							100	2.0	6.6
			1640	500	55.8	25.3	21.0 Ω/km**										200	2.8	9.2
			3280	1000	108.2	49.1											400	4.0	13.1
																	700	5.3	17.4
1.0/4.6																	900	6.1	20.0
RG-6																	1000	6.5	21.3
																	1500	8.3	27.2

Nominal Delay: 4.068 ns/m
Pulling Tension: 195 N

14 AWG • Solid 1.6 mm Bare Copper • **Duofoil®** • 60 % Tinned Copper Braid

Gas-Injected Foam HDPE Insulation • Black PVC Jacket

80°C	**9292**		1000	305	75.0	34.0	1.63 mm	0.280	7.11	Duofoil®	0.405	10.29	75	84%	16.1	52.8	1	0.2	0.6
							14 AWG			+ 60% TC							10	0.5	1.6
							Solid BC			Braid							50	0.9	3.0
							18.3 Ω/km*			9.8 Ω/km***							100	1.3	4.3
							8.5 Ω/km**										200	1.6	5.3
																	400	2.3	7.5
1.6/7.2																	700	3.3	10.8
RG-11																	900	4.0	13.1
																	1000	4.3	14.1

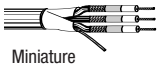
Nominal Delay: 3.937 ns/m
Pulling Tension: 435 N

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • CCS = Copper-Covered Steel
Duofoil® see technical information page 23.13.

Standard Analog Video Cables

RGB Component Video Multicore Cables

BRILLIANCE®

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
30 AWG • Stranded (7x38) 0.3 mm Tinned Copper • **Duofoil®** • 90 % Tinned Copper Braid (Coaxes) • Overall **Beldfoil®** Shield • TC Drain Wire																			
Foam HDPE Insulation • Overall Black PVC Jacket																			
30V RMS 60°C		NEC: CL2					0.31 mm 30 AWG (7x38) TC 413.2 Ω/km* 382.1 Ω/km**	0.056	1.42	Duofoil® + 90 % TC Braid 31.1 Ω/km***			75	78 %	17.3	56.8	1	0.8	2.6
																	5	1.5	4.9
																	10	2.2	7.2
																	30	4.0	13.1
																	50	5.4	17.7
																	100	8.2	26.9
																	1000	32.8	107.6
 Miniature 0.3/1.4																			
																			Pulling Tension:
1520A	3 Coax		500	152	23.0	10.4					0.283	7.19							187 N
			1000	305	50.0	22.7													
1521A	4 Coax		500	152	31.0	14.1					0.310	7.87							249 N
			1000	305	60.0	27.2													
1522A	5 Coax		500	152	34.5	15.6					0.338	8.59							311 N
			1000	305	67.0	30.4													
Nominal Delay: 4.265 ns/m 100 % Sweep tested. 10 MHz to 40 MHz. Color Code: see chart below																			
26 AWG • Stranded (7x34) 0.5 mm Bare Copper • **Duofoil®** • 93 % Tinned Copper Braid (Coaxes)																			
Foam HDPE Insulation • Overall Matte Black PVC Jacket																			
30V RMS 60°C							0.48 mm 26 AWG (7x34) TC 164.3 Ω/km* 136.1 Ω/km**	0.090	2.29	Duofoil® + 93 % TC Braid 28.2 Ω/km***			75	78 %	17.3	56.8	1	0.6	2.0
																	5	1.3	4.3
																	10	1.8	5.9
																	30	3.1	10.2
																	50	3.9	12.8
																	100	5.4	17.7
																	1000	15.9	52.2
 High-Flex 0.5/2.3																			
																			Pulling Tension:
1406B	3 Coax		1000	305	79.0	35.8					0.388	9.86							458 N
1407B	4 Coax		1000	305	100.0	45.4					0.455	11.56							614 N
1417B	5 Coax		1000	305	110.0	49.9					0.477	12.12							765 N
Nominal Delay: 4.265 ns/m 100 % Sweep tested. 10 MHz to 40 MHz. Color Code: see chart below																			

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

Duofoil® see technical information page 23.13.

Color Code

Cond.	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow