Video Triax Cables

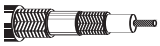
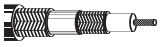
BRILLIANCE®

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
Triax 8 • Stranded (19x0.36) 1.0 mm • Silver-Plated Copper • 90 % Silver-Plated Copper Braid • 80 % Bare Copper Braid																			
Foam Polyethylene Insulation • Red PVC Jacket																			
70°C	**7783AF**		1000	305	75.0	34.0	0.99 mm 20 AWG (19x0.36) SPC 22.0 Ω/km* 12.0 Ω/km**	0.178	4.52	90 % SPC Braid + 80 % BC Braid 10.0 Ω/km*** 6.5 mm	0.331	8.40	75	82%	16.5	54.0	1 10 20 40 50 60 100 300	0.2 0.7 1.0 1.4 1.6 1.7 2.3 4.2	0.6 2.2 3.2 4.6 5.1 5.6 7.5 13.8
			Return loss at 5-850 MHz: ≥ 21 dB							Spools are one piece, but length may vary 0% to +10% from length shown.									
Triax 11 • Solid 1.4 mm Silver-Plated Copper • 90 % Silver-Plated Copper Braid • 85 % Bare Copper Braid																			
Foam Polyethylene Insulation • Red PVC Jacket																			
70°C	**7784AS**		1000 1968	305 600	100.1 197.1	49.3 96.9	1.4mm 16 AWG Solid SPC 18.4 Ω/km* 11.0 Ω/km**	0.256	6.50	90 % SPC Braid + 85% BC Braid 7.4 Ω/km*** 7.2 mm	0.455	11.30	75	81%	16.8	55.0	1 10 20 40 50 60 100 300 750	0.2 0.5 0.7 1.0 1.1 1.3 1.6 3.1 4.6	0.5 1.6 2.3 3.3 3.7 4.1 5.2 10.3 15.2
			Return loss at 5-750 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB Pulling Tension: 300 N Spools are one piece, but length may vary ±5% from length shown.									
Foam Polyethylene Insulation • Red FRNC/LSNH Jacket																			
70°C	**7784ANH**		1000 1968 3280	305 600 1000	100.1 197.1 328.5	52.3 102.9 171.5	1.4mm 16 AWG Solid SPC 18.4 Ω/km* 11.0 Ω/km**	0.256	6.50	90 % SPC Braid + 85 % BC Braid 7.4 Ω/km*** 7.2 mm	0.455	11.30	75	81%	16.8	55.0			see above
			Return loss at 5-750 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB Pulling Tension: 300 N Spools are one piece, but length may vary 0% to +10% from length shown, 1000 m +/-5%.									
Triax 11 • Stranded (19x0.28) 1.4 mm Silver-Plated Copper • 90 % Silver-Plated Copper Braid • 85 % Bare Copper Braid																			
Foam Polyethylene Insulation • Red PVC Jacket																			
70°C	**7784AF**		1000 1968	305 600	100.1 197.1	47.9 94.1	1.4mm 17 AWG (19x0.28) SPC 21.4 Ω/km* 14.0 Ω/km**	0.256	6.50	90 % SPC Braid + 85 % BC Braid 7.4 Ω/km*** 7.2 mm	0.433	11.00	75	82%	16.5	54.0	1 5 10 100 180 360 750	0.2 0.3 0.5 1.7 2.4 3.5 5.2	0.5 1.1 1.6 5.6 7.9 11.5 17.1
Flexible			Return loss at 5-750 MHz: ≥ 23 dB							Screening attenuation at 30-1000 MHz: ≥ 75 dB Pulling Tension: 270 N Spools are one piece, but length may vary 0% to +10% from length shown.									
Triax 11 • Solid 1.4 mm Bare Copper • 85 % Bare Copper Braid • 80 % Bare Copper Braid																			
Foam Polyethylene Insulation • Red PVC Jacket																			
70°C	**7784E**		1640	500	173.5	78.7	1.4mm 16 AWG Solid BC 18.2 Ω/km* 11.2 Ω/km**	0.256	6.50	85% BC Braid + 80% BC Braid 7.4 Ω/km*** 7.2 mm	0.433	11.00	75	81%	16.8	55.0	1 3 5 10 100 300 750	0.2 0.2 0.4 0.5 1.8 3.2 4.8	0.5 0.8 1.3 1.7 5.8 10.6 15.6
			Available: 7784ENH - with FRNC/LSNH Jacket 7784EPU - with PUR Jacket							Pulling Tension: 300 N Spools are one piece, but length may vary ±5% from length shown.									

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • SPC = Silver-Plated Copper

Video Triax 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
Triax 14 • Stranded (7x0.75) 2.2 mm Silver-Plated Copper • 80% Silver-Plated Copper Braid • 80% Bare Copper Braid																			
Foam Polyethylene Insulation • Red PVC Jacket																			
70°C	**7785A**		1000 1640 1968	305 500 600	157.9 259.0 310.8	76.2 124.9 149.9	2.21 mm 12 AWG (7x0.75) SPC 12.1 Ω/km* 5.7 Ω/km**	0.382	9.70	80% SPC Braid + 80% BC Braid 6.4 Ω/km*** 10.4 mm	0.571	14.50	75	82%	16.5	54.0	1 10 20 40 50 60 100 300 1000	0.1 0.4 0.5 0.8 0.9 0.9 1.3 2.3 4.4	0.4 1.3 1.7 2.5 2.8 3.1 4.2 7.6 14.3
																			
Return loss at 5-850 MHz: ≥ 21 dB										Screening attenuation at 30-1000 MHz: ≥ 75 dB Pulling Tension: 550 N Spools are one piece, but length may vary 305 m 0% to +5%, 500 m ±10%, 600 m ±10% from length shown.									
Foam Polyethylene Insulation • Red PVC Jacket																			
70°C	**7785ANH**		1000 1640 1968	305 500 600	157.9 259.0 310.8	80.3 131.6 157.9	2.21 mm 12 AWG (7x0.75) SPC 12.1 Ω/km* 5.7 Ω/km**	0.382	9.70	80% SPC Braid + 80% BC Braid 6.4 Ω/km*** 10.4 mm	0.571	14.50	75	82%	16.5	54.0	see above		
																			
Return loss at 5-850 MHz: ≥ 21 dB										Screening attenuation at 30-1000 MHz: ≥ 75 dB Pulling Tension: 550 N Spools are one piece, but length may vary 305 m 0% to +5%, 500 m ±5%, 600 m 0% to +10% from length shown.									

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • SPC = Silver-Plated Copper

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

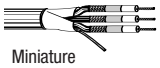
Nominal Delay: 3.937 ns/m
Pulling Tension: 435 N

* 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

Low Loss HDTV/SDI Digital Coax

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
28.5 AWG • Solid 0.3 mm Bare Copper Conductor • **Duobond® foil** • 95% Tinned Copper Braid																			
Gas-Injected Foam HDPE Insulation • PVC Jacket (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)																			
DigiTruck HDTV/SDI Digital Video 70°C	**179DT**	NEC: CM CEC: CMG FT4	500 1000	152 305	5.0 8.0	2.3 3.6	0.31 mm 28.5 AWG Solid BC 379.2 Ω/km* 350.0 Ω/km**	0.056	1.42	Duobond® + 95% TC Braid 29.2 Ω/km***	0.100	2.54	75	77%	17.5	57.4	1	1.2	3.9
																	5	1.9	6.1
																	10	2.4	7.8
																	67.5	5.9	19.3
																	71.5	6.0	19.6
																	100	6.9	22.6
																	135	7.9	25.8
																	270	10.8	35.4
0.3/1.4 RG-179																	360	12.5	41.0
																	540	15.4	50.5
																	720	17.9	58.7
																	750	18.3	60.0
																	1000	21.3	69.9
																	1500	26.3	86.3
																	2000	30.8	101.1
			Return loss at 5-1600 MHz: ≥ 23 dB 1600-3000 MHz: ≥ 21 dB							Nominal Delay: 4.331 ns/m 100% Sweep tested. 5 Mhz to 3 GHz. Pulling Tension: 66 N							2250	32.8	107.6
																	3000	38.3	125.7
																	4500	47.5	155.8
25 AWG • Stranded (19x37) 0.5 mm Bare Copper • **Duofoil®** • 95% Tinned Copper Braid																			
Gas-Injected Foam HDPE Insulation • PVC Jacket (Brown, Red, Orange, Yellow, Blue, Violet, Grey, White and Black)																			
HDTV/SDI Digital Video 75°C	**1865A**	NEC: CMR CEC: CMG FT4	1000	305	14.0	6.4	0.53 mm 25 AWG (19x37) BC 107.6 Ω/km* 89.9 Ω/km**	0.094	2.39	Duofoil® + 95% TC Braid 17.7 Ω/km***	0.150	3.81	75	82%	16.5	54.1	1	0.5	1.5
																	5	1.1	3.6
																	71.5	3.7	12.1
																	360	8.2	26.9
																	540	10.1	33.1
																	750	12.0	39.4
																	1000	13.9	45.6
0.5/2.4 RG-59/U Type																	1500	17.0	55.8
			Nominal Delay: 4.068 ns/m 100% Sweep tested. 5 Mhz to 3 GHz.							Pulling Tension: 133 N							2250	20.8	68.2
																	3000	24.0	78.7
23 AWG • Solid 0.6 mm Bare Copper Conductor • **Duofoil®** • 95% Tinned Copper Braid																			
Gas-Injected Foam HDPE Insulation • PVC Jacket																			
HDTV/SDI Digital Video 75°C	**1855A**	NEC: CMR CEC: CMG FT4	500 1000	152 305	9.0 16.0	4.1 7.3	0.58 mm 23 AWG Solid BC 90.8 Ω/km* 65.9 Ω/km**	0.102	2.59	Duofoil® + 95% TC Braid 24.9 Ω/km***	0.159	4.04	75	82%	16.3	53.5	1	0.4	1.3
																	3.6	0.8	2.6
																	10	1.2	3.9
																	71.5	3.1	10.0
																	135	3.8	12.5
																	270	5.4	17.7
																	360	6.2	20.3
0.6/2.6 RG-59/U Type																	540	7.7	25.3
																	720	9.5	31.1
																	750	9.6	31.5
																	1000	10.5	34.4
																	1500	13.0	42.6
			Return loss at 5-1600 MHz: ≥ 23 dB 1601-4500 MHz: ≥ 21 dB							Nominal Delay: 4.003 ns/m 100% Sweep tested. 5 Mhz to 3 GHz. Pulling Tension: 160 N							2000	15.1	49.5
																	2250	16.0	52.5
																	3000	18.5	60.7
			152 m put-up available in Black only.							Also available in multiples, bundled. See page 19.31 and 19.33.							4500	22.8	74.8
22 AWG • Solid 0.6 mm Tinned Copper • **Duofoil®** • 90% Tinned Copper Braid																			
Gas-Injected Foam HDPE Insulation • Green with FRNC Jacket																			
HDTV/SDI Digital Video 75°C	**1855ENH**		328 1640	100 500	6.2 30.9	2.8 14.0	0.64 mm 22 AWG Solid TC 69.0 Ω/km* 52.0 Ω/km**	0.110	2.80	Duofoil® + 90% TC Braid 17.0 Ω/km***	0.175	4.45	75	84%	16.2	53.0	71.5	2.6	8.6
																	135	3.5	11.5
																	270	4.9	16.1
																	360	5.7	18.6
																	540	7.0	22.8
																	750	8.2	26.9
																	1500	11.8	38.7
0.6/2.8 RG-59/U Type																	3000	17.1	56.1

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

Duofoil® and Duobond® see technical information page 23.13.

Low Loss HDTV/SDI Digital Coax

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 Bare Copper • 90% Tinned Copper Double Braid + 85% Tinned Copper Braid																			
Polyethylene Insulation • Cream PVC Jacket																			
SDI Digital Video 75°C	**BE43187**		328 1640	100 500	7.5 37.5	7.0 35.0	0.58 mm 23 AWG Solid BC	0.146	3.70	Double Braid 90% TC 85% TC	0.248	6.30	75	66%	20.7	68.0	1 10 135 270 360 540 750 1000	0.3 1.1 3.8 5.5 6.3 8.0 9.8 11.3	1.1 3.5 12.5 17.9 20.8 26.2 32.0 37.0
 0.6/3.7 RG-59/U Type																			
22 AWG • Stranded (7x29) 0.8 mm Bare Compacted Copper# • 98% Tinned Copper Double Braid																			
Gas-Injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White and Violet)																			
HDTV/SDI Digital Video 75°C	**1505F**	NEC: CM CEC: CM	1000	305	45.0	20.4	0.76 mm 22 AWG (7x29) BCC 47.8 Ω/km* 40.0 Ω/km**	0.145	3.68	Double Braid 98% TC Braid 7.8 Ω/km***	0.242	6.15	75	80%	17.0	55.7	1 3.6 5 7 10 71.5 100 135 270 360 540 720 750 1000 1500 2000 2250 3000	0.2 0.5 0.6 0.7 0.9 2.5 3.0 3.5 5.1 6.0 7.4 8.7 8.9 10.5 13.3 15.7 16.9 20.3	0.7 1.6 2.0 2.4 2.4 8.2 9.8 11.5 16.7 19.7 24.3 28.5 29.2 34.4 43.6 51.5 55.4 66.6
 0.8/3.7 RG-59/U Type																			
Return loss at 5-3000 MHz: ≥ 15 dB										Nominal Delay: 4.265 ns/m 100% Sweep tested. 5 Mhz to 3 GHz. Pulling Tension: 400 N									
20 AWG • Solid 0.8 mm Bare Copper • **Duofoil®** • 95% Tinned Copper Braid																			
Gas-Injected Foam HDPE Insulation • PVC Jacket (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)																			
HDTV/SDI Digital Video 75°C	**1505A**	NEC: CMR CEC: CMG FT4	500 1000 5000	152 305 1524	17.5 36.0 165.4	7.9 16.3 75.0	0.81 mm 20 AWG Solid BC 45.3 Ω/km* 32.8 Ω/km**	0.145	3.68	Duofoil® 95% TC Braid 12.5 Ω/km***	0.233	5.92	75	83%	16.3	53.5	1 3.6 5 7 10 71.5 100 135 270 360 540 720 750 1000 1500 2000 2250 3000 4500	0.3 0.5 0.6 0.7 0.9 2.1 2.3 2.7 3.8 4.4 5.5 6.4 6.5 7.6 9.3 9.3 11.6 13.4 16.4	1.0 1.8 2.1 2.4 2.9 6.9 7.6 8.9 12.5 14.4 18.0 21.0 21.3 24.9 30.5 30.5 38.0 44.0 53.8
 0.8/3.7 RG-59/U Type																			
Return loss at 5-1600 MHz: ≥ 23 dB 1601-4500 MHz: ≥ 21 dB										Nominal Delay: 4.003 ns/m 100% Sweep tested. 5 Mhz to 3 GHz. Pulling Tension: 209 N									
152 m put-up available in Black, Red or Blue only.										Also available in bundled versions. See page 19.32 and 19.34.									
Gas-Injected Foam HDPE • Black FRNC/LSNH Jacket																			
HDTV/SDI Digital Video 75°C	**1505ANH**	IEC 332-3C IEC 332-1 IEC 61034-1 IEC 60331-11 IEC 60754-1 IEC 60754-2	1000	305	36.0	15.5	0.81 mm 20 AWG Solid BC 45.2 Ω/km* 32.8 Ω/km**	0.145	3.68	Duofoil® 95% TC Braid 12.4 Ω/km***	0.233	5.92	75	83%	16.3	53.5			see above
 0.8/3.7 RG-59/U Type																			
Return loss at 5-1600 MHz: ≥ 23 dB 1601-4500 MHz: ≥ 21 dB										Nominal Delay: 4.003 ns/m 100% Sweep tested. 5 Mhz to 3 GHz. Pulling Tension: 209 N									

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • BCC = Bare Compacted Copper
#Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductors.

Duofoil® see technical information page 23.13.

Low Loss HDTV/SDI Digital Coax

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
18 AWG • Solid 1.0 mm Bare Copper • **Duofoil®** • 95% Tinned Copper Braid																			
Gas-Injected Foam HDPE • PVC Jacket (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)																			
HDTV/SDI Digital Video 70°C	**1694A**	NEC: CMR CEC: CMG FT4	500 1000 4500	152 305 1372	20.5 45.0 202.5	9.3 20.4 91.9	1.02 mm 18 AWG Solid BC 30.2 Ω/km* 21.0 Ω/km**	0.180	4.57	Duofoil® + 95% TC Braid 9.2 Ω/km***	0.275	6.99	75	82%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000 4500	0.2 0.5 0.7 1.6 2.1 3.0 3.4 4.3 4.9 5.0 5.9 7.3 9.1 10.7 13.3	0.8 1.5 2.4 5.2 6.9 9.7 11.3 13.9 16.1 16.4 19.3 24.0 30.0 35.0 43.6
 1.0/4.6 RG-6/U Type																			
		Return loss at 5-1600 MHz: ≥ 23 dB 1601-4500 MHz: ≥ 21 dB 152 m put-up available in Black only.								Nominal Delay: 4.068 ns/m 100% Sweep tested. 5 Mhz to 4.5 GHz. Pulling Tension: 306 N Also available in bundled versions, see page 19.32.									
Gas-Injected Foam HDPE • Black FRNC Jacket																			
HDTV/SDI Digital Video 70°C	**1694ANH**	IEC 332-3C IEC 332-1 IEC 61034-1 IEC 60331-11 IEC 60754-1 IEC 60754-2	328 1000 1640 4500	100 305 500 1372	15.4 46.2 77.0 207.7	6.4 19.6 32.2 88.2	1.02 mm 18 AWG Solid BC 30.2 Ω/km* 21.0 Ω/km**	0.180	4.57	Duofoil® + 95% TC Braid 9.2 Ω/km***	0.275	6.99	75	82%	16.2	53.1			see above
 1.0/4.6 RG-6/U Type																			
		Return loss at 5-1600 MHz: ≥ 23 dB 1601-4500 MHz: ≥ 21 dB 305 m put-up available in Black only.								Nominal Delay: 4.068 ns/m 100% Sweep tested. 5 Mhz to 4.5 GHz. Pulling Tension: 306 N									
19 AWG • Stranded (7x27) 1.0 mm Bare Copper • 99% Tinned Copper Double Braid																			
Gas-Injected Foam HDPE • PVC Jacket (Black, Red, Green, Blue, White, Orange, Yellow and Violet)																			
HDTV/SDI Digital Video 75°C 300V RMS	**1694F**	NEC: CMR CEC: CMG	1000	305	54.0	24.5	1.016 mm 19 AWG (7x27) BC 33.3 Ω/km* 27.8 Ω/km**	0.225	5.72	Double Braid + 99% TC Braid 5.5 Ω/km***	0.276	7.01	75	81%	16.2	53.1	1 3.6 10 71.5 270 360 540 720 750 1000 1500 2250 3000 4500	0.2 0.5 0.7 2.0 4.0 4.7 5.9 6.9 7.0 8.2 10.4 13.2 15.6 19.8	0.8 1.5 2.4 6.5 13.1 15.4 19.3 22.6 22.9 26.9 34.1 43.3 51.1 64.9
 1.0/4.6 RG-6/U Type																			
		Return loss at 5-850 MHz: ≥ 20 dB 850-4500 MHz: ≥ 15 dB								Nominal Delay: 4.101 ns/m 100% Sweep tested. 5 Mhz to 4.5 GHz. Pulling Tension: 364 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.

Low Loss HDTV/SDI Digital Coax

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
14 AWG • Solid 1.6 mm Bare Copper • **Duofoil®** • 95% Tinned Copper Braid																			
Gas-Injected Foam HDPE Insulation • PVC Jacket (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)																			
HDTV/SDI Digital Video 75°C	**7731A**	NEC:	500	152	46.5	21.1	1.63 mm	0.280	7.11	Duofoil®	0.400	10.16	75	85%	16.0	52.5	1	0.2	0.5
		CMR	1000	305	95.0	43.1	14 AWG			+ 95% TC							10	0.5	1.5
		CEC:	4000	1219	388.0	176.0	Solid BC			Braid							71.5	1.1	3.6
		CMG FT4					13.1 Ω/km*			4.9 Ω/km***							135	1.5	4.8
							8.2 Ω/km**										270	2.1	6.9
																	360	2.5	8.0
																	540	3.1	10.0
1.6/7.2 RG-11/U Type																	720	3.6	11.7
																	750	3.7	12.0
																	1000	4.3	14.1
		Return loss at	5-1600 MHz: ≥ 23 dB							Nominal Delay: 3.97 ns/m							1500	5.5	18.0
			1601-4500 MHz: ≥ 21 dB							100% Sweep tested. 5 Mhz to 3 GHz.							2250	6.9	22.6
																	3000	8.2	26.9
		152 m put-up available in Black only.								Pulling Tension: 644 N							4500	10.4	34.1
Gas-Injected Foam HDPE • Black FRNC Jacket																			
HDTV/SDI Digital Video 70°C	**7731ANH**	IEC 332-3C	1000	305	100.0	40.4	1.63 mm	0.280	7.11	Duofoil®	0.400	10.16	75	85%	16.0	52.5			see above
		IEC 332-1	1640	500	164.0	66.3	14 AWG			+ 95% TC									
		IEC 61034-1	3280	1000	328.0	132.5	Solid BC			Braid									
		IEC 60331-11	4000	1219	400.0	161.5	13.1 Ω/km*			4.9 Ω/km***									
		IEC 60754-1					8.2 Ω/km**												
		IEC 60754-2																	
1.6/7.2 RG-11/U Type																			
		Return loss at	5-1600 MHz: ≥ 23 dB							Nominal Delay: 3.97 ns/m									
			1601-4500 MHz: ≥ 21 dB							100% Sweep tested. 5 Mhz to 3 GHz.									
										Pulling Tension: 644 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.

HDTV/SDI Digital Coax

RGB Component Video Multicore Cables
VideoFlex® Snake Cables

BRILLIANCE®

25 AWG • Solid 0.5 mm Tinned Copper • Duobond® • 95% Tinned Interlocked Serve (Coaxes)

FPFA Insulation • Overall Matte Black PVC Jacket

HDTV/SDI
Digital Video
60°C

Miniature
0.5/1.9

NEC:
CMR
CEC:
CMG

0.46 mm
25 AWG
Solid TC
129.2 Ω/km*
111.5 Ω/km**

0.074 | 1.88 | Duobond® 95% TC Serve 17.7 Ω/km*** | 0.114 | 2.90 | 75 | 80% | 17.0 | 55.8

MHz	dB/100 ft.	dB/100 m
1	0.5	1.7
5	1.2	3.8
50	3.7	12.1
100	4.9	16.1
200	6.7	22.0
400	9.5	31.2
750	13.4	44.0
900	15.0	49.2
1000	15.8	51.8
3000	31.2	102.4

Nominal Delay: 4.068 ns/m • Color Code: see chart 1

									Pulling Tension:
1277R	3 Coax	† 500	152	25.5	11.6	0.320	8.13		400 N
		† 1000	305	48.0	21.8				
1278R	4 Coax	250	76	21.8	9.9	0.351	8.92		489 N
		† 500	152	31.5	14.3				
		† 1000	305	60.0	27.2				
1279R	5 Coax	† 500	152	40.5	18.4	0.403	10.24		578 N
		† 1000	305	80.0	36.3				
1280R	6 Coax	† 500	152	44.0	20.0	0.423	10.74		601 N
		† 1000	305	87.0	39.5				

23 AWG • Solid 0.6 mm Tinned Copper • Duofoil® • 95% Tinned Copper Braid (Coaxes)

Gas-Injected Foam HDPE Insulation • Overall Matte Black PVC Jacket

HDTV/SDI
Digital Video
75°C

1855A Bundled
0.6/2.6

NEC:
CMR
CEC:
CMG FT4

0.58 mm
23 AWG
Solid TC
90.8 Ω/km*
65.9 Ω/km**

0.100 | 2.55 | Duofoil® + 95% TC Braid 24.9 Ω/km*** | 0.159 | 4.03 | 75 | 83% | 16.5 | 54.1

MHz	dB/100 ft.	dB/100 m
1	0.4	1.3
3.6	0.8	2.6
10	1.2	3.9
270	5.4	17.7
360	6.2	20.3
750	9.5	31.2
1000	10.5	34.4
2500	16.9	55.4
3000	18.5	60.7

Nominal Delay: 4.068 ns/m • Sweep tested. 5 MHz to 3 GHz. • Color Code: see chart 2

									Pulling Tension:
7787A	3 Coax	500	152	47.5	21.5	0.432	10.97		480 N
		1000	305	94.0	42.6				
7788A	4 Coax	1000	305	110.0	49.9	0.481	12.22		640 N
7789A	5 Coax	500	152	73.0	33.1	0.539	13.69		801 N
		1000	305	142.0	64.4				
7790A	6 Coax	500	152	88.5	40.1	0.597	15.16		961 N
		1000	305	176.0	79.8				
7791A	10 Coax	500	152	155.5	70.5	0.796	20.22		1601 N
		1000	305	304.0	137.9				
7792A	12 Coax	500	152	178.5	81.0	0.825	20.96		1922 N
		1000	305	367.0	166.5				

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • TC = Tinned Copper • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • DCR = DC resistance • † Spools are one piece, but length may vary ±10% from length shown. • Duobond® see technical information page 23.13.

Color Code (Chart 1)

Cond.	Color	Cond.	Color	Cond.	Color
1	Red	3	Blue	5	Black
2	Green	4	Yellow	6	White

Color Code (Chart 2)

Cond.	Color	Cond.	Color	Cond.	Color	Cond.	Color	Cond.	Color	Cond.	Color
1	Red	3	Blue	5	Yellow	7	Orange	9	Purple	11	Pink
2	Green	4	White	6	Brown	8	Grey	10	Black	12	Tan

HDTV/SDI Digital Coax

RGB Component Video Multicore Cables
VideoFlex® Snake 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
20 AWG • Solid 0.8 mm Bare Copper • **Duofoil®** • 95% Tinned Copper Braid (Coaxes)																			
Gas-Injected Foam HDPE Insulation • Overall Matte Black PVC Jacket																			
HDTV/SDI Digital Video 75°C		NEC: CMR CEC: CMG FT4					0.81 mm 20 AWG Solid BC 45.3 Ω/km* 32.8 Ω/km**	0.145	3.68	Duofoil® + 95% TC Braid 12.5 Ω/km***	0.235	5.97	75	83%	16.2	53.1	1	0.3	1.0
																	3	0.5	1.8
																	10	0.9	2.9
																	270	3.8	12.5
																	360	4.4	14.4
																	750	6.5	21.3
																	1000	7.6	24.9
																	2500	12.4	40.7
																	3000	13.8	45.3
 1505A Bundled 0.8/3.7																			
																		Pulling Tension:	
	7794A	3 Coax	500	152	94.5	42.9					0.631	16.03						961 N	
			1000	305	187.0	84.8													
	7795A	4 Coax	500	152	116.5	52.8					0.706	17.93						1281 N	
			1000	305	237.0	107.5													
	7796A	5 Coax	500	152	153.0	69.4					0.790	20.07						1601 N	
			1000	305	299.0	135.6													
	7798A	10 Coax	500	152	319.5	144.9					1.166	29.62						3203 N	
			1000	305	625.0	283.5													
	Nominal Delay: 4.265 ns/m • Sweep tested. 5 MHz to 3 GHz. Color Code: see chart below																		
18 AWG • Solid 1.0 mm Bare Copper • **Duofoil®** • 95% Tinned Copper Braid (Coaxes)																			
Gas-Injected Foam HDPE Insulation • Overall Matte Black PVC Jacket																			
HDTV/SDI Digital Video 75°C		NEC: CMR CEC: CMG FT4					1.02 mm 18 AWG Solid BC 30.8 Ω/km* 21.0 Ω/km**	0.180	4.57	Duofoil® + 95% TC Braid 9.8 Ω/km***	0.275	6.99	75	82%	16.2	53.1	1	0.2	0.8
																	3.6	0.5	1.5
																	10	0.7	2.4
																	270	3.0	9.7
																	360	3.4	11.3
																	750	5.0	16.4
																	1000	5.9	19.3
																	2500	9.7	31.8
																	3000	10.7	35.0
 1694A Bundled 1.0/4.6																			
																		Pulling Tension:	
	7710A	3 Coax	500	152	137.5	62.4					0.770	19.56						921 N	
			1000	305	285.0	129.3													
	7711A	4 Coax	500	152	179.5	81.4					0.900	22.86						1227 N	
			1000	305	350.0	158.8													
	7712A	5 Coax	500	152	216.5	98.2					0.970	24.64						1534 N	
			1000	305	454.0	205.9													
	7713A	10 Coax	500	152	463.0	210.0					1.386	35.20						3069 N	
			1000	305	904.0	410.1													
	Nominal Delay: 4.068 ns/m • Sweep tested. 5 MHz to 3 GHz. Color Code: see chart below																		

* 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.

Color Code

Cond.	Color
1	Red
2	Green

Cond.	Color
3	Blue
4	White

Cond.	Color
5	Yellow
6	Brown

Cond.	Color
7	Orange
8	Grey

Cond.	Color
9	Purple
10	Black

HDTV/SDI Digital Coax

RGB Component Video Multicore Cables
Banana Peel® Unjacketed Bundles

BRILLIANCE®

25 AWG • Solid 0.5 mm Tinned Copper • **Duobond®** • 95% Tinned Copper Interlocked Serve Braid (Coaxes) • **Banana Peel® Unjacketed,** Bonded to Central Spline

Foam HDPE Insulation • PVC Jackets in Colors

HDTV/SDI Digital Video 75°C
NEC: CMR CEC: CMG

0.46 mm 25 AWG Solid TC 129.2 Ω/km* 111.5 Ω/km**

Nominal Insulation OD: 0.074 inch, 1.88 mm
Shielding Material Nom. DCR: Duobond® 95% TC Serve 17.7 Ω/km***
Nominal OD: 0.114 inch, 2.90 mm
Nom. Imp. (Ω): 75
Nom. Vel. of Prop.: 80%
Nominal Capacitance: 17.0 pF/ft., 55.8 pF/m

Nominal Attenuation MHz	dB/100 ft.	dB/100 m
5	1.2	3.8
50	3.7	12.1
100	4.9	16.1
200	6.7	22.0
400	9.5	31.2
750	13.4	44.0
900	15.0	49.2
1000	15.8	51.8

Miniature 0.5/1.9

Part No.		Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Pulling Tension:
1281S3	3 Coax	† 500	152	17.0	7.7	400 N
		† 1000	305	31.0	14.1	
1281S4	4 Coax	† 500	152	23.5	10.7	489 N
		† 1000	305	44.0	20.0	
1281S5	5 Coax	† 250	76	16.0	7.3	578 N
		† 500	152	28.5	12.9	
		† 1000	305	55.0	24.9	
1281S6	6 Coax	† 500	152	33.5	15.2	601 N
		† 1000	305	68.0	30.8	

100% Sweep tested. 5 MHz to 850 MHz. Patent pending.

Nominal Delay: 4.068 ns/m
Color Code: see chart 1

23 AWG • Solid 0.6 mm Bare Copper • **Duofoil®** • 95% TC Braid (Coaxes) • **Banana Peel® Unjacketed,** Bonded to Central Spline

Gas-Injected Foam HDPE Insulation • PVC Jacket

HDTV/SDI Digital Video 75°C
NEC: CMR CEC: CMG

0.58 mm 23 AWG Solid BC 90.8 Ω/km* 65.9 Ω/km**

Nominal Insulation OD: 0.102 inch, 2.59 mm
Shielding Material Nom. DCR: Duofoil® + 95% TC Braid 24.9 Ω/km***
Nominal OD: 0.159 inch, 4.04 mm
Nom. Imp. (Ω): 75
Nom. Vel. of Prop.: 82%
Nominal Capacitance: 16.3 pF/ft., 53.5 pF/m

Nominal Attenuation MHz	dB/100 ft.	dB/100 m
1	0.4	1.3
3.6	0.8	2.6
10	1.2	3.9
360	6.2	20.3
750	9.6	31.5
1000	10.5	34.4
2000	15.1	49.5
2250	16.0	52.5
3000	18.5	60.7
4500	22.8	74.8

1855A Bundled 0.6/2.6

Part No.		Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Pulling Tension:
1855S3	3 Coax	500	152	29.5	13.4	480 N
		1000	305	57.1	25.9	
1855S5	5 Coax	500	152	51.5	23.4	800 N
		1000	305	102.1	46.3	
1855S6	6 Coax	500	152	64.1	29.1	960 N
		1000	305	121.1	54.9	

Return loss at
5-625 MHz: ≥ 20 dB
625-675 MHz: ≥ 15 dB
675-850 MHz: ≥ 20 dB
850-4500 MHz: ≥ 15 dB

Nominal Delay: 4.068 ns/m
100% Sweep tested. 5 MHz to 5 GHz.
152 m put-up available in Black only.
Color Code: see chart 2

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper
† Spools are one piece, but length may vary ±10% from length shown. • Duofoil® and Duobond® see technical information page 23.13.

Color Code (Chart 1)

Cond.	Color	Cond.	Color	Cond.	Color
1	Red	3	Blue	5	Black
2	Green	4	Yellow	6	White

Color Code (Chart 2)

Cond.	Color	Cond.	Color	Cond.	Color
1	Red	3	Blue	5	Yellow
2	Green	4	White	6	Brown

HDTV/SDI Digital Coax

RGB Component Video Multicore Cables
Banana Peel® Unjacketed Bundles

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
20 AWG • Solid 0.8 mm Bare Copper • **Duofoil®** • 95 % TC Braid (Coaxes) • **Banana Peel® Unjacketed,** Bonded to Central Spline																			
Foam HDPE Insulation • Individual PVC Jackets in Colors																			
HDTV/SDI Digital Video 75°C		NEC: CMR CEC: CMG					0.81 mm 20 AWG Solid BC 45.2 Ω/km* 32.8 Ω/km**	0.145	3.68	Duofoil® + 95% TC Braid 12.4 Ω/km***	0.235	5.97	75	83%	16.2	53.1	1	0.3	0.9
																	3.6	0.6	1.9
																	10	0.9	2.9
																	71.5	2.1	6.8
																	135	2.7	8.8
																	270	3.8	12.4
																	360	4.4	14.4
																	540	5.5	18.0
																	720	6.4	20.9
																	750	6.5	21.3
																	1000	7.6	24.9
																	1500	9.4	30.8
																	2500	12.4	40.6
																	3000	13.8	45.2
																	4500	16.5	54.2
1505A Bundled 0.8/3.7 RG-59/U Type																			
																		Pulling Tension:	
	1505S3 3 Coax		500	152	55.5	25.2					0.502	12.75						960 N	
			1000	305	104.0	47.2													
	1505S5 5 Coax		500	152	95.0	43.1					0.629	15.98						1601 N	
			1000	305	185.0	83.9													
	1505S6 6 Coax		500	152	117.6	53.3					0.790	20.07						1921 N	
			1000	305	250.3	113.5													

Return loss at
5-475 MHz: ≥ 20 dB
475-525 MHz: ≥ 15 dB
525-850 MHz: ≥ 20 dB
850-4500 MHz: ≥ 15 dB

Nominal Delay: 4.003 ns/m
100% Sweep tested. 5 MHz to 4.5 GHz. Patent pending.
Color Code: see chart below

* 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.

Color Code

Cond.	Color
1	Red
2	Green
3	Blue

Cond.	Color
4	White
5	Yellow
6	Brown