Optical Fiber Cables

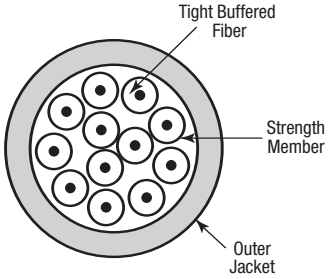
SMPTE 311M HDTV Cables

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	Shielding Material	Nominal OD inch	Nominal OD mm	Component	Description	Shielding Material & Nom. DCR	Jacket Material & Colors	Component OD inch	Component OD mm
SMPTE 311M • 2 Power Conductors • SM Fiber w/24 and 16 AWG • Stranded (7x32 and 65x34) TC • Overall 95 % Tinned Copper Braid																
PVC Insulation • Black Belflex® Jacket																
	7804C	NEC:	328	100	33.1	15.0	–	+ 95 % TC Braid	0.362	9.20	2 x Fiber	2 Breakout Fibers SM/125µ/900µ core/clad/buffer	Unshielded	PVC Blue Yellow	0.079	2.00
		CMR	500	152	47.6	21.6										
		CEC:	1000	305	95.9	43.5										
		CMG FT4	1640	500	152.6	69.2										
			3280	1000	314.8	142.8					2 x Data	2 Conductors 24 AWG 0.61 mm (7x32) TC	Unshielded	PVC Red Grey	0.050	1.27
											2 x Power	2 Conductors 16 AWG 1.5 mm (65x34) TC	Unshielded	PVC Black White	0.093	2.36
Plenum version and other conductor counts/diameters available by special order. Fibers and aramid fillers contained within a 0.008″ (2.0 mm) diameter PVC breakout jacket.																
SMPTE 311M • 4 Power Conductors • SM Fiber w/24 and 20 AWG • Stranded (7x32 and 19x32) TC • Overall 95 % Tinned Copper Braid																
PVC Insulation • Black Belflex® Jacket																
	7804R	NEC:	328	100	32.8	14.9	–	+ 95 % TC Braid	0.362	9.20	2 x Fiber	2 Fibers SM/125µ/900µ core/clad/buffer	Unshielded	PVC Blue Yellow	0.035	0.89
		CMR	500	152	48.9	22.2										
		CEC:	1000	305	99.0	44.9										
		CMG FT4	1640	500	157.4	71.4										
			3280	1000	324.7	147.3					2 x Data	2 Conductors 24 AWG 0.61 mm (7x32) TC	Unshielded	PVC Red Grey	0.050	1.27
											4 x Power	4 Conductors 20 AWG 0.94 mm (19x32) TC	Unshielded	PVC Black White White/Black Black/White	0.063	1.60
Plenum version and other conductor counts/diameters available by special order.																

Tactical Mobile Optical Fiber

Description	Part No.	No. of Fibers	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Fiber Size µm	Nom. Buffer/Tube OD inch	Nom. Buffer/Tube OD mm	Strength Members	Nominal OD inch	Nominal OD mm	Central Element mm	Pulling Tension N	Crush Resistance kN/m	Energy kJ/m	Bending radii cable (mm) static	Bending radii cable (mm) dynamic
GMMT • Intex Mobile • Tight Buffer • Designed for Despooling and Respooling • **A/I-VQ(ZN)11Y**																		
Dry Construction • PUR Jacket (Orange or Black)																		
-30/70°C IEC 60332-1			6888	2100			Ø 280 ± 15			Longitudinal watertightness Swellable Reinforced Yarn			no					
	GMMTx04	4		143.5	65.1						0.23	5.8	800	4	580	58	87	
	GMMTx06	6		175.9	79.8						0.25	6.3	950	4	725	63	95	
	GMMTx08	8		217.6	98.7						0.28	7.0	1100	4	890	70	105	



Color coding of the buffered fibers: White, Red, Blue, Yellow, Green, Violet, Brown, Black
Optical characteristics see page 16.21.

TC = Tinned Copper • DCR = DC resistance

Microphone and Musical Instrument Cables

Two-Conductor, Low-Impedance 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	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (105x44) 0.6 mm High-Conductivity (Oxygen-Free) BC • Conductors Cabled with Fillers • 97 % BC Double Spiral Braid																		
PVC Insulation • Matte Black PVC Jacket																		
300V RMS 80°C	**9397**		500 1000	152 305	12.1 24.1	5.5 10.9	0.61 mm 24 AWG (105x44) BC	0.048	1.22	Overall Double Spiral + 97% BC Braid	0.176	4.47	47	–	CDR/CDR CDR/SCR	47 86	154 283	White, Green
 0.22 mm²			Pulling Tension: 44 N															
24 AWG • Stranded (32x0.1) 0.6 mm Bare Copper • Conductors Cabled with Fillers • 92 % Bare Copper Spiral Serve Braid																		
Polyethylene Insulation • PVC Jacket (Red, Yellow, Green, Blue, Grey, White and Black)																		
100V RMS 60°C	**BE46349**		328 1640 3280	100 500 1000	9.3 46.3 92.6	4.2 21.0 42.0	0.6 mm 24 AWG (32x0.1) BC	0.057	1.45	Overall Spiral Serve + 92% BC Braid	0.240	6.10	–	–	CDR/CDR CDR/SCR	18 34	60 110	Red, Blue
 0.25 mm²			Pulling Tension: 44 N															
20 AWG • Stranded (26x34) 0.9 mm High-Conductivity (Oxygen-Free) TC • Cotton Wrap • Conductors Cabled • Rayon Braid • 85 % TC Braid																		
EPDM Rubber Insulation • EPDM Jacket (Black, Red, Yellow and Blue)																		
600V RMS 90°C	**8412**		100 250 U-500 500 U-1000 1000	31 76 U-152 152 U-305 305	5.2 12.1 24.0 24.0 46.0 47.1	2.4 5.5 10.9 10.9 20.9 21.4	0.94 mm 20 AWG (26x34) TC	0.083	2.11	Overall 85% TC Braid	0.262	6.65	52	–	CDR/CDR CDR/SCR	30 55	98 180	White, Black
 0.52 mm²			Pulling Tension: 445 N Red, Yellow or Blue available in 305 m put-up only.															

Three-Conductor, Low-Impedance Cables

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	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (105x44) 0.6 mm High-Conductivity (Oxygen-Free) Bare Copper • Double Spiral Braid • 97% Bare Copper Braid																		
PVC Insulation • Matte Black PVC Jacket																		
300V RMS 80°C	**9398**		1000	305	25.1	11.4	0.61 mm 24 AWG (105x44) BC	0.048	1.22	Overall Double Spiral + 97% BC Braid	0.185	4.70	47	–	CDR/CDR CDR/SCR	40 110	131 361	White, Green, Brown
 0.22 mm²			Pulling Tension: 200 N															

TC = Tinned Copper • BC = Bare Copper • EPDM = Ethylene Propylene Diene Monomer • DCR = DC resistance
SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Microphone and Musical Instrument Cables

Four-Conductor, Star-Quad

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	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
28 AWG • Stranded (19x40) 0.4 mm High-Conductivity (Oxygen-Free) Silver-Plated Copper Alloy • 78% Tinned Copper Braid																		
Polypropylene Insulation • Matte PVC Jacket (Red, Yellow, Blue, Beige and Black)																		
100V RMS 60°C	**1804A***		100 ▲500	31 152	1.6 4.5	0.7 2.0	0.38 mm 28 AWG (19x40) SPC	0.030	0.76	Overall 78% TC Braid	0.115	2.92	40	–	CDR/CDR CDR/SCR	40 60	131 196	see chart below
 0.09 mm²			31 m put-up available in Black only.							2/c 23 AWG equivalent DCR when connected to a 3-pin XLR. Pulling Tension: 106 N								
26 AWG • Stranded (30x40) 0.5 mm High-Conductivity (Oxygen-Free) BC • Conductors Cabled • 95% TC French Braid® • 28 AWG BC Drain Wire																		
Polyethylene Insulation • Matte PVC Jacket (Red, Green, Yellow, Blue, Grey and Black)																		
100V RMS 60°C	**1172A***		500 1000	152 305	13.5 27.0	6.1 12.2	0.53 mm 26 AWG (30x40) BC	0.045	1.14	Overall French Braid® 95% TC + Drain Wire (28 AWG BC)	0.190	4.83	39	–	CDR/CDR CDR/SCR	39 57	129 188	see chart below
 0.14 mm²			152 m put-up available in Black only.							2/c 23 AWG equivalent DCR when connected to a 3-pin XLR. Pulling Tension: 164 N								
24 AWG • Stranded (41x40) 0.6 mm High-Conductivity (Oxygen-Free) Bare Copper • Conductors Cabled • 95% Tinned Copper Braid																		
Polyethylene Insulation • Matte PVC Jacket (Red, Green, Yellow, Blue, Grey and Black)																		
100V RMS 75°C	**1192A***		100 500 1000	31 152 305	4.1 16.5 37.0	1.9 7.5 16.8	0.58 mm 24 AWG (41x40) BC	0.056	1.42	Overall 95% TC Braid	0.245	6.22	40	–	CDR/CDR CDR/SCR	39 57	129 188	see chart below
 0.22 mm²			31 m put-up available in Black only. 152 m put-up available in Blue or Black only.							2/c 21 AWG equivalent DCR when connected to a 3-pin XLR. Pulling Tension: 93 N								
20 AWG • Stranded (26x34) 0.9 mm High-Conductivity (Oxygen-Free) TC • Cotton Wrap • Conductors Cabled • Rayon Braid • 85% TC Braid																		
EPDM Rubber Insulation • Cotton Wrap • Black EPDM Rubber Jacket																		
600V RMS 90°C	**8424**		100 250 U-500 500 1000	31 76 U-152 152 305	6.8 16.8 32.0 32.6 64.1	3.1 7.6 14.5 14.8 29.1	0.91 mm 20 AWG (26x34) TC	0.083	2.11	Overall 85% TC Braid	0.294	7.47	52	–	CDR/CDR CDR/SCR	47 59	154 194	Black, White, Red, Green
 0.52 mm²			2/c 17 AWG equivalent DCR when connected to a 3-pin XLR. Pulling Tension: 387 N															

TC = Tinned Copper • BC = Bare Copper • SPC = Silver-Plated Copper • DCR = DC resistance
SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors
* One Blue conductor and one White conductor are striped for use in MIDI and other four conductor applications.
▲ May contain more than one piece. Min. length of any one piece is 15 m (50 ft.).

Color Code

Pair No.	Color
1	Blue
2	White
3	Blue with White Stripe
4	White with Blue Stripe

Line Level Analog Audio Cables

Single- and Double-Pair Cables

Audio-Connect

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	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code

24 AWG • Stranded (7x32) 0.6 mm Tinned Copper Conductors • Twisted Pair • Overall **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire

Polypropylene Insulation • Grey PVC Jacket

300V RMS	**1883A**	NEC:	U-1000	U-305	11.0	5.0	0.61 mm	0.040	1.02	Overall	0.123	3.12	52	–	CDR/CDR	31	101	Black, Red
		CMR	1000	305	11.0	5.0	24 AWG			Beldfoil®					CDR/SCR	58	190	
		CEC:					(7x32) TC			+ Drain Wire								
		CMG FT4								(24 AWG TC)								

0.22 mm²

U-305 m put-up also available in Brown, Red, Orange, Yellow, Green, Blue, Violet, White or Black.
Jacket and shield are bonded so both can be removed with automatic stripping equipment.
Pulling Tension: 71 N

24 AWG • Stranded (19x36) 0.6 mm High-Conductivity (Oxygen-Free) Tinned Copper • Twisted Pair • Overall **Beldfoil®** Shield (Unbonded) • 24 AWG Tinned Copper Drain Wire • Noise Reducing Tape

High-density Polyethylene Insulation • Black PVC Jacket

200V RMS	**9452**		U-500	U-152	6.6	3.0	0.61 mm	0.040	1.02	Overall	0.135	3.43	56	–	CDR/CDR	30	98	Black, Red
75°C			500	152	6.0	2.7	24 AWG			Beldfoil®					CDR/SCR	58	190	
			U-1000	U-305	12.0	5.4	(19x36) TC			+ Drain Wire								
			1000	305	12.0	5.4				(24 AWG TC)								

Shorting Fold

0.22 mm²

Pulling Tension: 79 N

22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • Overall **Beldfoil®** Shield • 22 AWG Tinned Copper Drain Wire

Polypropylene Insulation • PVC Jacket (Black, Grey, Brown, Red, Orange, Yellow, Green, Blue, Violet and White)

300V RMS	**9451**	NEC:	U-500	U-152	8.0	3.6	0.76 mm	0.050	1.27	Overall	0.135	3.43	45	–	CDR/CDR	35	115	Black, Red
75°C		CMR	500	152	8.0	3.6	22 AWG			Beldfoil®					CDR/SCR	67	220	
1-Pair		CEC:	T-1000	T-305	18.0	8.2	(7x30) TC			+ Drain Wire								
		CMG FT4	U-1000	U-305	16.0	7.3				(22 AWG TC)								
			5000	1524	75.0	34.0												

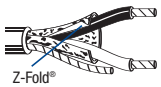
0.34 mm²

U-152 m, 152 m and T-305 m put-ups available in Grey only.
The jacket and shield are bonded so both can be removed with automatic stripping equipment. Drain wire is inside foil shield.
Pulling Tension: 120 N

22 AWG • Stranded (7x30) 0.8 mm TC • Twisted Pair • Overall **Beldfoil®** Shield (Unbonded) • 22 AWG Tinned Copper Drain Wire

Polyethylene Insulation • Paper Wrap • PVC Jacket (Black or Grey)

300V RMS	**8451**	NEC:	100	31	2.3	1.0	0.76 mm	0.050	1.27	Overall	0.138	3.51	45	–	CDR/CDR	34	112	Black, Red
75°C		CMR	U-500	U-152	8.5	3.9	22 AWG			Beldfoil®					CDR/SCR	67	220	
		CEC:	500	152	8.0	3.6	(7x30) TC			+ Drain Wire								
		CMR	U-1000	U-305	16.0	7.3				(22 AWG TC)								
			1000	305	16.0	7.3												



Z-Fold®

0.34 mm²

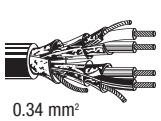
31 m put-up available in Black only.
Pulling Tension: 120 N

Belden's miniature type broadcast audio and instrumentation cables occupy 1/2 to 2/3 less space than standard cables. Unique paper separator facilitates jacket stripping.

22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Dual Pairs • Overall **Beldfoil®** Shield (Unbonded) • 24 AWG Tinned Copper Drain Wire

Polypropylene Insulation • Chrome PVC Jacket

80°C	**8728**	NEC:	U-500	U-152	15.0	6.8	0.76 mm	0.050	1.27	Individual	0.215	5.46	50	–	CDR/CDR	35	115	Black, Red,
UL AWM Style 2717		CM	500	152	15.5	7.0	22 AWG			Beldfoil®					CDR/SCR	62	203	Green, White
		CEC:	U-1000	U-305	30.0	13.6	(7x30) TC			+ Drain Wire								
		CM	1000	305	31.0	14.1				(24 AWG TC)								
										+ Overall								
										Beldfoil®								



0.34 mm²

Meets NEC Article 800

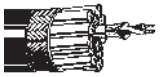
Each pair Beldfoil shielded with individual drain wire plus polyester film over each shield.
Pulling Tension: 161 N

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

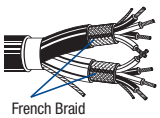
Analog Multi-Pair Snake Cables

Flexible, Field Use, Rugged-Stage Cables
Individually Shielded and Jacketed Pairs

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	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
26 AWG • Stranded (18x0.1) 0.5 mm TC • Each Pair Individually **TC Spiral Braid** • Numbered PVC Jackets • **Overall > 80 % TC Braid**																		
Polyethylene Insulation • Overall Black PVC Jacket																		
100V RMS 75°C							0.48 mm 26 AWG (18x0.1) TC	0.041	1.05	Individual Spiral Serve > 90 % TC Braid + Overall Braid			95	–	CDR/CDR CDR/SCR	18 34	60 110	White, Red
								Jacketed Pairs O.D.: 0.122	3.10									
0.14 mm²	**BE46312**	4-Pair	1640	500	212.5	96.4					0.492	12.50						
	BE46313	8-Pair	1640	500	323.6	146.8					0.591	15.00						
	BE46315	12-Pair	1640	500	374.6	169.9					0.638	16.20						
	BE46305	16-Pair	1640	500	470.0	213.2					0.709	18.00						
	BE46306	24-Pair	820	250	343.9	156.0					0.882	22.40						
	BE46948	40-Pair	820	250	555.6	252.0					1.075	27.30						

Super-Flexible, High-Performance Cables, Star Quad
Individually Shielded and Jacketed Pairs

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	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
26 AWG • Stranded (19x38) 0.5 mm High-Conductivity (Oxygen-Free) Bare Copper • Each Pair 95 % Bare Copper **French Braid®** • 26 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets																		
Polyethylene Insulation • Overall Black PVC Jacket with 20 AWG Tinned Copper Drain Wire																		
300V RMS 60°C							0.51 mm 26 AWG (19x38) BC	0.045	1.14	Individual French Braid® 95 % BC + Drain Wire (26 AWG TC)			40	–	CDR/CDR CDR/SCR	39 57	129 188	see chart below
								Jacketed Pairs O.D.: 0.157	3.99									
French Braid																		Pulling Tension:
0.14 mm² Star-Quad	**7884A**	2-Pair	250 † 500 † 1000	76 152 305	27.0 49.0 98.0	12.2 22.2 44.5					0.458	11.63						396 N
	7885A	4-Pair	250 † 500 † 1000	76 152 305	36.3 70.5 136.0	16.5 32.0 61.7					0.498	12.65						792 N
	7886A	8-Pair	† 500 † 1000	152 305	146.5 314.0	66.5 142.4					0.782	19.86						1584 N
	7887A	12-Pair	250 † 500 † 1000	76 152 305	89.5 177.5 365.0	40.6 80.5 165.6					0.828	21.03						2380 N
	7888A	16-Pair	250 † 500 † 1000	76 152 305	114.0 238.5 468.0	51.7 108.2 212.3					0.938	23.83						3172 N
	7889A	24-Pair	† 500 † 1000	152 305	396.0 798.0	179.6 362.0					1.232	31.29						4759 N
2/c 21 AWG equivalent DCR when connected to a 3-pin XLR.																		

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance
SCR = Capacitance between one conductor and other conductors connected to shield.
CDR = Capacitance between conductors
† Length may vary -10 % to 0 % from length shown.

Color Code

Pair No.	Color
1	Blue
2	White

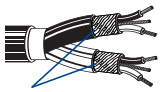
Pair No.	Color
3	Blue with White Stripe
4	White with Blue Stripe

Analog Multi-Pair Snake Cables

FleXnake® Super-Flexible, High-Performance Cables
Individually Shielded and Jacketed Pairs

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	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (41x40) 0.6 mm High-Conductivity (Oxygen-Free) Bare Copper • Each Pair Individually 93% **French Braid®** • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets																		
Polyolefin Insulation • Overall Black PVC Jacket																		
300V RMS 60°C							0.58 mm 24 AWG (41x40) BC	0.040	1.02	Individual French Braid® 93% + Drain Wire (24 AWG TC)			60	–	CDR/CDR CDR/SCR	26 48	86 156	Red, Black
								Jacketed Pairs O.D.: 0.119	3.02									
0.22 mm²																		Pulling Tension:
1902A	2-Pair		250	76	12.0	5.4					0.330	8.38						258 N
		†	500	152	27.5	12.5												
		†	1000	305	53.0	24.0												
1904A	4-Pair		250	76	19.8	9.0					0.333	8.45						534 N
		†	500	152	40.5	18.4												
		†	1000	305	78.0	35.4												
1906A	6-Pair		250	76	28.5	12.9					0.449	11.40						801 N
		†	500	152	55.5	25.2												
		†	1000	305	111.0	50.3												
1908A	8-Pair		250	76	36.0	16.3					0.480	12.20						1023 N
		†	500	152	72.5	32.9												
		†	1000	305	141.0	64.0												
1912A	12-Pair		250	76	51.8	23.5					0.602	15.30						1557 N
		†	500	152	102.5	46.5												
		†	1000	305	203.0	92.1												
1916A	16-Pair		250	76	71.0	32.2					0.681	17.30						2091 N
		†	500	152	138.0	62.6												
		†	1000	305	279.0	126.6												
1924A	24-Pair		250	76	108.0	49.0					0.827	21.00						3114 N
		†	500	152	214.5	97.3												
		†	1000	305	437.0	198.2												
1932A	32-Pair		250	76	135.3	61.4					0.969	24.60						4173 N
		†	500	152	274.0	124.3												
		†	1000	305	539.0	244.5												



French Braid

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors
† Length may vary -10% to 0% from length shown.

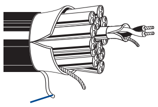
Analog Multi-Pair Snake Cables

Beldfoil® High-Performance Cables
Individually Shielded and Jacketed Pairs

BRILLIANCE®

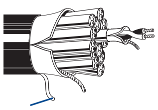
24 AWG • Stranded (7x32) 0.6 mm High-Conductivity (Oxygen-Free) Tinned Copper • Each Pair **Beldfoil®** Shielded • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets • Overall **Beldfoil®** Shield • Rip Cord

Polyolefin Insulation • Overall Black PVC Jacket with 18 AWG Tinned Copper Drain Wire

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. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm				pF/ft.	pF/m	
300V RMS 75°C		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.040	1.02	Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Beldfoil®			60	–	CDR/CDR CDR/SCR	31 58	102 190	Brown, Red
 Rip Cord								Jacketed Pairs O.D.: 0.111	2.82									Pulling Tension:
0.22 mm²	**1508A**	1-Pair	500 1000	152 305	6.5 11.0	2.9 5.0					0.131	3.33						73 N
	1509C	2-Pair	500 1000	152 305	24.0 46.0	10.9 20.9					0.301	7.65						246 N
	1510C	4-Pair	500 1000	152 305	35.5 72.0	16.1 32.7					0.352	8.94						393 N
	1511C	6-Pair	500 1000	152 305	52.0 102.0	23.6 46.3					0.418	10.61						544 N
	1512C	8-Pair	500 1000	152 305	65.5 124.0	29.7 56.2					0.452	11.48						676 N
	1513C (DT-12)	12-Pair	500 1000	152 305	89.5 178.0	40.6 80.7					0.561	14.25						980 N
	1514C	16-Pair	500 1000	152 305	122.5 241.0	55.6 109.3					0.628	15.95						1273 N
	1515C	20-Pair	500 1000	152 305	142.5 288.0	64.6 130.6					0.770	19.56						1567 N
	1516C	24-Pair	500 1000	152 305	180.5 371.0	81.9 168.3					0.807	20.50						1861 N
	1517C	26-Pair	500 1000	152 305	187.5 385.0	85.0 174.6					0.823	20.90						2007 N
	1518C	32-Pair	500 1000	152 305	236.5 481.0	107.3 218.2					0.897	22.78						2448 N
	1519C	52-Pair	500 1000	152 305	372.5 731.0	169.0 331.6					1.117	28.37						3916 N

24 AWG • Stranded (7x32) 0.6 mm High-Conductivity (Oxygen-Free) Tinned Copper • Each Pair **Beldfoil®** Shielded • 24 AWG Tinned Copper Drain Wire • Numbered FRNC Jackets • Overall **Beldfoil®** Shield • Rip Cord

Polyolefin Insulation • Overall Black FRNC/LSNH Jacket with 18 AWG Tinned Copper Drain Wire

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. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm				pF/ft.	pF/m	
300V RMS 75°C		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.040	1.02	Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Beldfoil®			60	–	CDR/CDR CDR/SCR	28 55	92 180	Brown, Red
 Rip Cord								Jacketed Pairs O.D.: 0.111	2.82									Pulling Tension:
0.22 mm²	**1508ENH**	1-Pair	1640 3280	500 1000	21.0 42.4	9.5 19.1					0.131	3.33						73 N
	1509ENH	2-Pair	1640	500	79.1	35.9					0.301	7.65						246 N
	1512ENH	8-Pair	1640 3280	500 1000	215.4 430.8	97.7 195.4					0.453	11.50						676 N

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Analog Multi-Pair Snake Cables

Beldfoil® High-Performance Cables, Long Runs
Individually Shielded and Jacketed Pairs

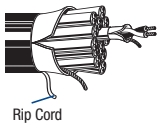
BRILLIANCE®

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	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code

22 AWG • Stranded (7x30) 0.8 mm High-Conductivity (Oxygen-Free) Tinned Copper • Each Pair **Beldfoil®** Shielded • 22 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets • Overall **Beldfoil®** Shield • Rip Cord

Polyolefin Insulation • Overall Matte Black PVC Jacket with Stranded 18 AWG Tinned Copper Drain Wire, except 1814 with 22 AWG

300V RMS 60°C		NEC: CMR CEC: CMG FT4					0.76 mm 22 AWG (7x30) TC	0.050	1.27	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Beldfoil®			50	66	CDR/CDR CDR/SCR	31.0 56.1	102 184	Red, Black
								Jacketed Pairs O.D.: 0.133	3.38									



0.35 mm²																	Pulling Tension:
1814R	2-Pair	500 1000	152 305	30.0 59.0	13.6 26.8						0.330	8.38					283 N
1815R	4-Pair	500 1000	152 305	45.0 91.0	20.4 41.3						0.383	9.74					485 N
1816R	6-Pair	500 1000	152 305	65.0 131.0	29.5 59.4						0.462	11.73					838 N
1817R	8-Pair	500 1000	152 305	80.0 152.0	36.3 68.9						0.503	12.78					1081 N
1818R	12-Pair	500 1000	152 305	121.0 241.0	54.9 109.3						0.638	16.21					1623 N
1819R	16-Pair	500 1000	152 305	180.0 364.0	81.6 165.1						0.776	19.71					2052 N
1820R	20-Pair	500 1000	152 305	216.0 442.0	98.0 200.5						0.865	21.97					2538 N
1821R	24-Pair	500 1000	152 305	263.5 518.0	119.5 235.0						0.969	24.61					3024 N
1822R	26-Pair	500 1000	152 305	280.5 552.0	127.2 250.4						0.989	25.12					3266 N
1823R	32-Pair	500 1000	152 305	335.5 692.0	152.2 313.9						1.072	27.23					3995 N

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

AES/EBU Digital Audio Cables

Single- and Double-Pair Cables
Audio-Connect

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

26 AWG • Stranded (7x34) 0.5 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 26 AWG Tinned Copper Drain Wire

Datalene® Insulation • PVC Jacket (Chrome or Violet)

300V RMS 75°C	**9180**	NEC: CMG CEC: CMG FT4	1000	305	10.0	4.5	0.48 mm 26 AWG (7x34) TC	0.049	1.24	Overall Beldfoil® + Drain Wire (26 AWG TC)	0.144	3.66	110	76%	13.0	42.6	2.0 4.1 5.6 11.3 12.3 24.6	1.7 2.1 2.4 3.1 3.2 4.2	5.5 7.0 7.9 10.1 10.4 13.8

Shorting Fold

0.14 mm²
Digital Video Time Code

Color Code: Black, White
Pulling Tension: 46 N

24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Twisted Pair • Overall **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire

Datalene® Insulation • PVC Jacket (Grey or Violet)

300V RMS 60°C	**1800B**	NEC: CMG CEC: CMG FT4	500 U-1000 1000 5000	152 U-305 305 1524	8.0 17.0 16.0 90.0	3.6 7.7 7.3 40.8	0.61 mm 24 AWG (7x32) TC	0.068	1.73	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.177	4.50	110	76%	12.0	39.3	2.0 4.1 5.6 11.3 12.3 24.6	1.3 1.6 1.8 2.2 2.3 3.1	4.3 5.2 5.8 7.3 7.5 10.1

0.22 mm²

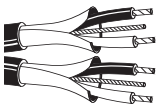
152 m put-up available in Grey only.
1524 m put-up available in Violet only.
Color Code: Red, Black

The jacket and shield are bonded so both can be removed with automatic stripping equipment.
Pulling Tension: 73 N

24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Dual Twisted Pairs • Individual **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire

Datalene® Insulation • PVC Jacket (Grey or Violet)

300V RMS 60°C	**1802B**	NEC: CMG CEC: CMG FT4	500 U-1000 1000	152 U-305 305	16.5 35.0 37.0	7.5 15.9 16.8	0.61 mm 24 AWG (7x32) TC	0.068	1.73	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.180 x 0.360	4.57 x 9.14	110	76%	12.0	39.3	2.0 4.1 5.6 11.3 12.3 24.6	1.3 1.6 1.8 2.2 2.3 3.1	4.3 5.2 5.8 7.3 7.5 10.1



0.22 mm²

Color Code: Red, Black

The jacket and shield are bonded so both can be removed with automatic stripping equipment.
Pulling Tension: 73 N

24 AWG • Stranded (41x40) 0.6 mm High-Conductivity (Oxygen-Free) Bare Copper • Twisted Pair with Fillers • Conductors Cabled with Fillers • 95% Tinned Copper **French Braid®** • 26 AWG Bare Copper Drain Wire

Datalene® Insulation • Matte PVC Jacket (Red, Yellow, Green, Blue, Grey and Black)

300V RMS 60°C	**1800F**	NEC: CL2R	500 U-1000 1000	152 U-305 305	12.0 26.0 24.0	5.4 11.8 10.9	0.58 mm 24 AWG (41x40) BC	0.058	1.47	Overall French Braid® 95% TC + Drain Wire (26 AWG BC)	0.211	5.36	110	76%	12.0	39.3	2.0 4.1 5.6 11.3 12.3 24.6	1.3 2.2 2.9 4.5 4.8 7.1	4.3 7.3 9.5 14.9 15.7 23.3

French Braid

0.22 mm²

152 m and 305 m put-ups available in Black only.
Color Code: Red, Black

Pulling Tension: 184 N

22 AWG • Stranded (7x30) 0.8 mm TC • Twisted Pair with Fillers • Overall **Beldfoil®** Shield (Unbonded) • 90% TC **French Braid®** • 24 AWG Tinned Copper Drain Wire

Datalene® Insulation • Black High-Flex Matte PVC Jacket

300V RMS 60°C	**1696A**		250 500 U-1000 1000	76 152 U-305 305	8.0 14.5 30.0 32.0	3.6 6.6 13.6 14.5	0.76 mm 22 AWG (7x30) TC	0.082	2.08	Overall French Braid® 90% TC + Drain Wire (24 AWG TC)	0.234	5.94	110	76%	13.0	42.6	2.0 4.1 5.6 11.3 12.3 24.6	0.9 1.1 1.3 1.7 1.8 2.4	2.9 3.6 4.3 5.7 5.8 7.9

Z-Fold®

0.34 mm²

Color Code: Light Blue, White
Pulling Tension: 249 N

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

AES/EBU Digital Multi-Pair Snake Cables

Beldfoil® High-Performance Cable, Low-Capacitance Individually Shielded and Jacketed Pairs

BRILLIANCE®

26 AWG • Stranded (7x34) 0.5 mm High-Conductivity (Oxygen-Free) TC • Each Pair **Beldfoil®** Shielded • 26 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets • Overall **Beldfoil®** Shield • Rip Cord

Datalene® Insulation • Overall Matte Black PVC Jacket with 26 AWG Tinned Copper Drain Wire

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
300V RMS 80°C		NEC: CMG CEC: CMG FT4					0.48 mm 26 AWG (7x34) TC	0.054	1.37	Individual Beldfoil® + Drain Wire (26 AWG TC) + Overall Beldfoil®			110	76%	13.0	42.7	2.0 4.0 5.0 6.0 12.0 25.0	1.7 2.1 2.3 2.5 3.2 4.2	5.5 6.9 7.5 8.1 10.4 13.8
								Jacketed Pairs O.D.: 0.136	3.45										
Rip Cord 0.14 mm²	**7891A**	2-Pair	500 1000	152 305	28.0 56.0	12.7 25.4					0.343	8.71						Pulling Tension: 107 N	
	7890A	4-Pair	100 250 500 1000	31 76 152 305	8.2 18.0 31.0 61.0	3.7 8.2 14.1 27.7					0.399	10.13						200 N	
	7880A (Fits D-Sub connectors)	8-Pair	† 250 500 1000	76 152 305	28.0 57.0 142.0	12.7 25.9 64.4					0.541	13.74						374 N	
	7892A	12-Pair	500 1000	152 305	85.0 174.0	38.6 78.9					0.679	17.25						574 N	
	7893A	16-Pair	500 1000	152 305	109.5 240.0	49.7 108.9					0.770	19.56						761 N	
	Color Code: Red, Black																		

Fire Resistant, Installation Cable, FRNC/LSNH IEC 332-3C Individually Shielded and Jacketed Pairs

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
100V RMS 70°C		IEC 332-3C					0.5 mm 26 AWG (18x0.1) TC	0.044	1.13	Individual Spiral Serve > 90% TC Braid + Overall Braid	0.488	12.39	110	60%	17.4	57.0	0.1 1.0 4.0 10.0	0.3 0.7 1.9 3.7	0.9 2.2 6.3 12.0
								Jacketed Pairs O.D.: 0.114	2.90										
0.14 mm²	**YE00193**	1-Pair	1640	500	13.4	6.1					0.114	2.90					Burning Energy: –	Pulling Tension: –	
	BE46959	1-Pair	1640	500	24.3	11.0					0.154	3.90					283 kJ/m	85 N	
	BE46923	2-Pair	1640	500	102.1	46.3					0.331	8.40					913 kJ/m	150 N	
	BE46925	4-Pair	1640	500	134.5	61.0					0.374	9.50					1271 kJ/m	250 N	
	BE46935	8-Pair	1640	500	245.6	111.4					0.492	12.50					2023 kJ/m	400 N	
	BE46936	10-Pair	1640	500	278.0	126.1					0.524	13.30					2325 kJ/m	500 N	
	BE46937	12-Pair	1640	500	301.6	136.8					0.559	14.20					2644 kJ/m	600 N	
	BE46938	16-Pair	1640	500	392.9	178.2					0.630	16.00					3292 kJ/m	750 N	
	Color Code: White, Blue																		

Polyethylene Insulation • Overall Grey FRNC/LSNH Jacket with 26 AWG Tinned Copper Drain Wire

26 AWG • Stranded (18x0.1) 0.5 mm TC • Each Pair Individually **Tinned Copper Spiral Braid** • Numbered FRNC/LSNH Jackets • **Overall > 90% Tinned Copper Braid**

TC = Tinned Copper • DCR = DC resistance
† 7880A is designed to fit in 25-pin D-sub connectors used in digital console board equipment.

AES/EBU Digital Multi-Pair Snake Cables

SlimSnake™, Installation Cable, Halogen-Free
Individually Shielded and Jacketed Pairs

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
26 AWG • Stranded (7x0.16) 0.5 mm TC • Each Pair Individually **TC Spiral Braid** • Numbered PA Jackets • Overall > 90% TC Braid																			
Foam Polyethylene Insulation • Overall Purple Halogen-Free Jacket																			
100V RMS 70°C							0.5 mm 26 AWG (7x0.16) TC	0.043 Jacketed Pairs O.D.: 0.114	1.10 2.90	Individual Spiral Serve > 90% TC Braid + Overall Braid			110	60%	15.2	50.0	0.1 1.0 6.0 10.0	0.3 0.7 2.9 4.9	0.9 2.3 9.5 16.0
																			Pulling Tension:
0.14 mm²	**BE46273**	1-Pair	820 1640	250 500	5.7 11.2	2.6 5.1					0.110	2.80							–
	BE46202	1-Pair	820 1640	250 500	6.6 12.1	3.0 5.5					0.154	3.90							–
	BE46203	2-Pair	820 1640	250 500	42.1 84.2	19.1 38.2					0.319	8.10							150 N
	BE46204	4-Pair	820 1640	250 500	57.3 114.4	26.0 51.9					0.354	9.00							250 N
	BE46266	8-Pair	820 1640	250 500	85.8 171.5	38.9 77.8					0.406	10.30							400 N
	BE46208	10-Pair	820 1640	250 500	97.0 193.8	44.0 87.9					0.480	12.20							500 N
	BE46205	12-Pair	820 1640	250 500	124.1 248.2	56.3 112.6					0.504	12.80							600 N
	BE46207	16-Pair	820 1640	250 500	171.7 343.3	77.9 155.7					0.602	15.30							750 N
	Color Code: White, Blue																		

Beldfoil® High-Performance Cable, Low-Capacitance, Long-Runs
Individually Shielded and Jacketed Pairs

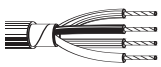
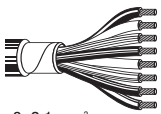
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
24 AWG • Stranded (7x32) 0.6 mm High-Conductivity (Oxygen-Free) TC • Each Pair **Beldfoil®** Shielded • 24 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets • Overall **Beldfoil®** Shield • Rip Cord																			
Datalene® Insulation • Overall Matte Black PVC Jacket with 16 AWG Tinned Copper Drain Wire																			
300V RMS 60°C		NEC: CMG CEC: CMG FT4					0.61 mm 24 AWG (7x32) TC	0.068 Jacketed Pairs O.D.: 0.167	1.73 4.24	Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Beldfoil®			110	76%	12.0	39.4	2.0 4.0 5.0 6.0 12.0 25.0	1.3 1.6 1.7 1.8 2.3 3.1	4.3 5.1 5.6 5.9 7.5 10.1
Rip Cord																			Pulling Tension:
0.22 mm²	**1803F**	4-Pair	500 1000	152 305	57.5 107.0	26.1 48.5					0.488	12.39							367 N
	1805F	8-Pair	500 1000	152 305	106.5 211.0	48.3 95.7					0.661	16.79							609 N
	1806F	12-Pair	500 1000	152 305	160.0 330.0	72.6 149.7					0.829	21.06							890 N
	1850F	16-Pair	500 1000	152 305	208.0 407.0	94.3 184.6					0.944	23.98							1174 N
	1852F	24-Pair	500 1000	152 305	321.0 644.0	145.6 292.1					1.205	30.61							1779 N
	1854F	32-Pair	1000	305	841.0	381.5					1.346	34.19							2356 N
	Color Code: Red, Black																		

TC = Tinned Copper • DCR = DC resistance

Speaker 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	Shielding Material	Nominal OD inch	Nominal OD mm	Component	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD inch	Component OD mm
26 AWG • 2 CDR (Audio) Stranded (18x0.1) 0.5 mm BC **+ 3 CDR (Power)** Stranded (32x0.2) 1.2 mm BC • Conductors Cabled with Fillers																
Polyethylene Insulation • Overall Matte Black PVC Jacket																
300V RMS 60°C	**BE43908**		328 1640	100 500	37.5 187.4	17.0 85.0	Unshielded	0.461	11.7	1xAudio	1-Pair 26 AWG 0.48 mm (18x0.1) BC	Overall 90% BC Braid	PE Black Red	PVC Black	0.044	1.12
										1xPower	3 Conductors 18 AWG 1.15 mm (32x0.2) BC	Unshielded	PVC Brown Blue Green/Yellow	PVC Black	0.083	2.10
 2x0.14 mm² (Audio) 3x1.20 mm² (Power)							Pulling Tension: 200 N									

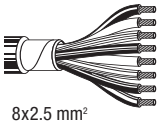
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
16 AWG • 2 Conductor • Stranded (25x0.23) 1.5 mm Bare Copper																		
PVC Insulation • Overall Matte Black PVC Jacket (Grey or Black)																		
300V RMS 60°C	**BE46382** 2 CDR		328 1640 3280	100 500 1000	15.9 79.8 159.4	7.2 36.2 72.3	1.5 mm 16 AWG (25x0.23) BC	0.098	2.50	Unshielded	0.276	7.00	12	–	CDR/CDR	35	115	Black, Red
 2x1.5 mm²																		
			1000 m put-up available in Black only. Pulling Tension: 240 N															
14 AWG • 4 or 8 Conductor • Stranded (104x34) 1.9 mm Bare Copper • Conductors Cabled with Fillers • Paper Wrap																		
PVC Insulation • Overall Matte Black PVC Jacket																		
300V RMS 60°C	**1810A** 4 CDR		250 500 1000	76 152 305	26.3 55.5 114.0	11.9 25.2 51.7	1.85 mm 14 AWG (104x34) BC	0.025	0.64	Unshielded	0.390	9.91	8.8	–	CDR/CDR CDR/SCR	19 57	61 187	Red, Green, White, Black
 High-Flex 4x2.1 mm²																		
			Compatible with Speakon® connectors. Pulling Tension: 889 N															
PVC Insulation • Overall Matte Black PVC Jacket																		
300V RMS 60°C	**1811A** 8 CDR		1000	305	205.0	93.0	1.85 mm 14 AWG (104x34) BC	0.025	0.64	Unshielded	0.515	13.08	8.8	–	CDR/CDR CDR/SCR	19 57	61 187	Brown, Red, Orange, Yellow, Green, White, Blue, Black
 8x2.1 mm²																		
			Compatible with Speakon® connectors. Pulling Tension: 1779 N															

BC = Bare Copper • PE = Polyethelene • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Speakon® is a Neutrik trademark.

Speaker Cables

BRILLIANCE®

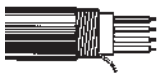
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
13 AWG • 2 Conductor • Stranded (50x0.25) 2.1 mm Bare Copper																		
PVC Insulation • Overall Matte PVC Jacket (Grey or Black)																		
300V RMS 60°C	**BE46381** 2 CDR		328 1640 3280	100 500 1000	22.5 112.4 224.9	10.2 51.0 102.0	2.05 mm 13 AWG (50x0.25) BC	0.114	2.90	Unshielded	0.317	8.05	7.4	–	CDR/CDR	40	131	Black, Red
 2x2.5 mm²																		
			1000 m put-up available in Black only. Pulling Tension: 400 N															
13 AWG • 4 Conductor • Stranded (50x0.25) 2.1 mm Bare Copper • Conductors Cabled with Fillers • Paper Wrap																		
PVC Insulation • Overall Matte Black PVC Jacket																		
300V RMS 60°C	**BE46379** 4 CDR		3280	1000	399.5	181.2	2.05 mm 13 AWG (50x0.25) BC	0.114	2.90	Unshielded	0.394	10.00	7.4	–	CDR/CDR	40	131	Red, Green, White, Black
 4x2.5 mm²																		
			Pulling Tension: 200 N															
13 AWG • 8 Conductor • Stranded (300x0.1) 2.1 mm Bare Copper • Conductors Cabled with Fillers • Paper Wrap																		
PVC Insulation • Overall Matte Black PVC Jacket																		
300V RMS 60°C	**BE43907** 8 CDR		820	250	160.5	72.8	2.05 mm 13 AWG (300x0.1) BC	0.114	2.90	Unshielded	0.488	12.40	7.4	–	CDR/CDR	40	131	Red, Green, White, Black, Yellow, Purple, Brown, Blue
 8x2.5 mm²																		
			Pulling Tension: 1500 N															
11 AWG • 2 Conductor • Stranded (56x0.3) 2.6 mm Bare Copper																		
PVC Insulation • Overall Matte PVC Jacket (Grey or Black)																		
300V RMS 60°C	**BE46380** 2 CDR		328 1640 3280	100 500 1000	31.5 157.4 314.8	14.3 71.4 142.8	2.6 mm 11 AWG (56x0.3) BC	0.138	3.50	Unshielded	0.354	9.00	4.5	–	CDR/CDR	35	116	Black, Red
 2x4.0 mm²																		
			500 m put-up available in Grey only. Pulling Tension: 600 N															

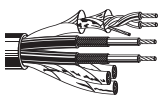
BC = Bare Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Special 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	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
25 AWG • Stranded (7x33) 0.5 mm High-Conductivity Copper (Oxygen-Free) • (3) Strands TC, (4) Strands TCCS • Rayon Braid • 80 % TC Braid																		
Rayon Braid, Rubber Insulation • Black EPDM Rubber Jacket																		
3000 VDC 60°C	**8410**		1640	500	18.5	8.4	0.53 mm 25 AWG (3x33, 4x33) TC, TCCS	0.154	3.91	Overall 80 % TC Braid	0.245	6.22	52	–	CDR/CDR	33	108	–
																		
			Pulling Tension: 267 N															

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Shielding Material	Nominal OD inch	Nominal OD mm	Compo-nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD inch	Component OD mm
22 AWG • Stranded (7x0.25) Tinned Copper • Dual Twisted Pairs • Aluminum-Foil • 24 AWG (7x0.20) Drain Wire • 80 % Tinned Copper Braid																
Polyethylene Insulation • Overall Matte PVC Jacket (Black or Blue)																
300V 70°C	**BE43906**		1640 3280	500 1000	68.8 137.3	31.2 62.3	0.75 mm 22 AWG (7x0.25) TC	0.053	1.35	Overall 80 % TC Braid + Drain Wire (24 AWG TC)	0.268	6.80	110	–	CDR/CDR	21.3	70	White, Red, Green, Black
																		
DMX512 0.34 mm²			1000 m put-up available in Black only.								22 AWG: 3105A - 1 Pair DMX512 (see Industrial section) 3107A - 2 Pair DMX512 (see Industrial section) 24 AWG: 9841, 9842, 9843 and 9844 (see Industrial section)							

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Shielding Material	Nominal OD inch	Nominal OD mm	Compo-nent	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Component OD inch	Component OD mm
(2) Coax 20 AWG • Solid 0.8 mm Bare Copper • **Duofoil®** • **(4) Audio** 22 AWG (7x30) Tinned Copper Shielded Pair																
Gas-Injected FPE Insulation (Coax) • Polypropylene Insulation (Conductors) • Black F-R PVC Jacket																
300V RMS 75°C	**1347A**	NEC: CMR CEC: CMR FT4	500 1000	152 305	232.2 108.6	105.3 49.3	–	0.630	16.00	2 x Video	2-Coax (1505A) 20 AWG 0.8 mm Solid BC	Duofoil® 100 % 95 % TC Braid	HDPE	PVC Black, White	0.233	5.92
										4 x Audio	4 Pair 22 AWG 0.8 mm (7x30) BC	Overall Beldfoil® 100 % + Drain Wire (22 AWG TC)	Polypropylene	PVC Brown, Red, Orange, Yellow	0.135	3.43 each Pair
2 Coax + 4 Pair							Pulling Tension: 947 N									

TC = Tinned Copper • TCCS = Tinned Copper-Covered Steel • BC = Bare Copper • DCR = DC resistance
SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

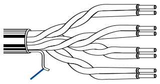
Duofoil® see technical information page 23.13.

RJ-45 Cables for A/V Applications

BRILLIANCE®

CatSnake™ (Mobile Cat 5e) • 24 AWG • Bonded-Pair • Stranded (7x32) 0.6 mm Bare Copper Conductors • Rip Cord

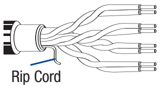
Heavy-Duty Jacketed • Polyolefin Insulation • Flexible Matte Black PVC Jacket • Category 5e

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	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
	1304A		1000	305	27.8	12.6	0.61 mm	0.037	0.95	Bonded-Pair	0.245	6.22	1	2.4	62.3	63.3	60.8	100±12	20.0
			500	152	14.3	6.5	24 AWG			Unshielded			4	4.9	53.3	52.3	48.7	100±12	23.0
							(7x32) BC			U/UTP			8	6.9	48.8	46.1	42.7	100±12	24.5
													10	7.8	47.3	43.9	40.8	100±12	25.0
													16	9.9	44.3	39.1	36.7	100±12	25.0
													25	12.5	41.3	34.1	32.8	100±15	24.3
													31.25	14.1	39.9	31.3	30.9	100±15	23.6
													62.5	20.4	35.4	21.6	24.8	100±15	21.5
Rip Cord													100	26.4	32.3	17.1	20.8	100±18	20.1
													300	48.6	28.2	–	11.2	100±20	18.0
4-Pairs													350	53.2	27.2	–	9.9	100±22	17.0

RJ-45 Compatible • -40°C Cold Bend
U.S. Patents 5,606,151; 5,734,126 and 5,763,823
Color Code: see chart below

Jacket sequentially marked at 0.6 m intervals.
Third party verified to TIA/EIA-568-B.2, Category 5e

Upjacketed • Polyolefin Insulation • PVC Inner Jacket • Matte Black Flexible PVC Outer Jacket • Category 5e

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	Freq. MHz	Max. Atten. dB/100m	Min. PSUM NEXT dB	Min. PSUM ACR dB/100m	Min. PSUM ELFEXT dB/100m	Input Imp. (Ω)	Min. RL dB
	1305A		1000	305	39.9	18.1	0.61 mm	0.037	0.95	Bonded-Pair	0.295	7.49	1	2.4	62.3	63.3	60.8	100±12	20.0
			500	152	19.8	9.0	24 AWG			Unshielded			4	4.9	53.3	52.3	48.7	100±12	23.0
							(7x32) BC			U/UTP	Upjacketed O.D.:		8	6.9	48.8	46.1	42.7	100±12	24.5
											0.242	6.14	10	7.8	47.3	43.9	40.8	100±12	25.0
													16	9.9	44.3	39.1	36.7	100±12	25.0
													25	12.5	41.3	34.1	32.8	100±15	24.3
													31.25	14.1	39.9	31.3	30.9	100±15	23.6
Rip Cord													62.5	20.4	35.4	21.6	24.8	100±15	21.5
													100	26.4	32.3	17.1	20.8	100±18	20.1
4-Pairs													300	48.6	28.2	–	11.2	100±20	18.0
EtherCon® compatible												350	53.2	27.2	–	9.9	100±22	17.0	

RJ-45 Compatible • -40°C Cold Bend
U.S. Patents 5,606,151 and 5,734,126
Color Code: see chart below

Jacket sequentially marked at 0.6 m intervals
Third party verified to TIA/EIA-568-B.2, Category 5e

BC = Bare Copper • DCR = DC resistance • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss

EtherCon® is a Neutrik trademark.

Color Code

Pair No.	Color
1	White/Blue Stripe, Blue
2	White/Orange Stripe, Orange
3	White/Green Stripe, Green
4	White/Brown Stripe, Brown

Video Triax Cables

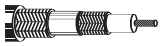
BRILLIANCE®

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

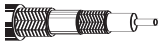
70°C	**7783AF**	1000	305	75.0	34.0	0.99 mm 20 AWG (19x0.36) SPC 22.0 Ω/km* 12.0 Ω/km**	0.178	4.52	90 % SPC Braid + 80 % BC Braid 10.0 Ω/km*** 6.5 mm	0.331	8.40	75	82 %	16.5	54.0	1	0.2	0.6
																10	0.7	2.2
																20	1.0	3.2
																40	1.4	4.6
																50	1.6	5.1
																60	1.7	5.6
																100	2.3	7.5
		Return loss at 5-850 MHz: ≥ 21 dB							Spools are one piece, but length may vary 0 % to +10 % from length shown.							300	4.2	13.8



Triax 11 • Solid 1.4 mm Silver-Plated Copper • 90 % Silver-Plated Copper Braid • 85 % Bare Copper Braid

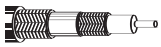
Foam Polyethylene Insulation • Red PVC Jacket

70°C	**7784AS**	1000	305	100.1	49.3	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	0.2	0.5
		1968	600	197.1	96.9											10	0.5	1.6
																20	0.7	2.3
																40	1.0	3.3
																50	1.1	3.7
																60	1.3	4.1
																100	1.6	5.2
		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.							300	3.1	10.3
																750	4.6	15.2



Foam Polyethylene Insulation • Red FRNC/LSNH Jacket

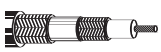
70°C	**7784ANH**	1000	305	100.1	52.3	1.4mm 16 AWG Solid SPC 18.4 Ω/km* 11.0 Ω/km**	0.256	6.50	90 % SPC Braid + 85 % BC Braid 7.4 Ω/km*** 7.2 mm	0.455	11.30	75	81 %	16.8	55.0			see above
		1968	600	197.1	102.9														
		3280	1000	328.5	171.5														
		Return loss at 5-750 MHz: ≥ 23 dB							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

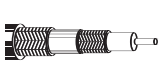
70°C	**7784AF**	1000	305	100.1	47.9	1.4mm 17 AWG (19x0.28) SPC 21.4 Ω/km* 14.0 Ω/km**	0.256	6.50	90 % SPC Braid + 85 % BC Braid 7.4 Ω/km*** 7.2 mm	0.433	11.00	75	82 %	16.5	54.0	1	0.2	0.5
		1968	600	197.1	94.1											5	0.3	1.1
																10	0.5	1.6
																100	1.7	5.6
																180	2.4	7.9
																360	3.5	11.5
																750	5.2	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

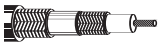
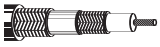
70°C	**7784E**	1640	500	173.5	78.7	1.4mm 16 AWG Solid BC 18.2 Ω/km* 11.2 Ω/km**	0.256	6.50	85 % BC Braid + 80 % BC Braid 7.4 Ω/km*** 7.2 mm	0.433	11.00	75	81 %	16.8	55.0	1	0.2	0.5
																3	0.2	0.8
																5	0.4	1.3
																10	0.5	1.7
																100	1.8	5.8
																300	3.2	10.6
																750	4.8	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 75°C UL AWM Style 1354, VW1	**8241**	NEC: CM	100 U-500 500 U-1000 1000 2000 5000	31 U-152 152 U-305 305 610 1524	4.4 19.5 18.5 38.0 40.0 80.0 200.0	2.0 8.8 8.4 17.2 18.1 36.3 90.7	0.58 mm 23 AWG Solid CCS 169.2 Ω/km* 160.7 Ω/km**	0.146	3.71	95% BC Braid 8.5 Ω/km***	0.240	6.10	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	0.6 1.1 2.4 3.4 4.9 7.0 9.7 11.1 12.0	2.0 3.6 7.9 11.2 16.1 23.0 31.8 36.4 39.4
0.6/3.7 RG-59/U Typ																			
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 80°C UL AWM Style 1354	**9259**	NEC: CM CEC: CM	100 U-500 500 U-1000 1000	31 U-152 152 U-305 305	4.1 18.1 16.6 35.0 37.0	1.9 8.2 7.5 15.9 16.8	0.76 mm 22 AWG (7x30) BC 57.7 Ω/km* 49.2 Ω/km**	0.146	3.71	95% BC Braid 8.5 Ω/km***	0.241	6.12	75	78%	17.3	56.7	1 10 50 100 200 400 700 900 1000	0.3 0.9 2.1 3.0 4.5 6.6 8.9 10.1 10.9	1.0 3.0 6.9 9.8 14.8 21.7 29.2 33.1 35.8
0.7/3.7																			
For CCTV applications.							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 1000	152 305	37.5 74.0	17.0 33.6	0.81 mm 20 AWG Solid BC 36.1 Ω/km* 32.5 Ω/km**	0.198	5.03	Double Braid 98% TC 3.6 Ω/km***	0.305	7.75	75	66%	21.0	68.9	1 3.6 10 71.5 135 270 360 540 720 750 1000	0.3 0.5 0.8 2.1 3.0 4.3 5.1 6.3 7.4 7.6 9.2	1.0 1.6 2.6 6.9 9.8 14.1 16.7 20.7 24.3 24.9 30.2
0.8/5.0 RG-59/U Type																			
152 m put-up not available in White.							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 80°C UL AWM Style 1354	**9248**	NEC: CM CEC: CM	U-500 500 U-1000 1000 1640 3280	U-152 152 U-305 305 500 1000	16.5 15.0 32.0 33.0 55.8 108.2	7.5 6.8 14.5 15.0 25.3 49.1	1.02 mm 18 AWG Solid BC 39.4 Ω/km* 21.0 Ω/km**	0.180	4.57	Duofoil® + 60% TC Braid 18.4 Ω/km***	0.270	6.86	75	82%	16.2	53.1	1 10 50 100 200 400 700 900 1000 1500	0.3 0.7 1.5 2.0 2.8 4.0 5.3 6.1 6.5 8.3	1.0 2.3 4.9 6.6 9.2 13.1 17.4 20.0 21.3 27.2
1.0/4.6 RG-6																			
							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 14 AWG Solid BC 18.3 Ω/km* 8.5 Ω/km**	0.280	7.11	Duofoil® + 60% TC Braid 9.8 Ω/km***	0.405	10.29	75	84%	16.1	52.8	1 10 50 100 200 400 700 900 1000	0.2 0.5 0.9 1.3 1.6 2.3 3.3 4.0 4.3	0.6 1.6 3.0 4.3 5.3 7.5 10.8 13.1 14.1
1.6/7.2 RG-11																			
							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

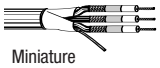
BRILLIANCE®

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



Miniature 0.3/1.4

																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

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

High-Flex 0.5/2.3

																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

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

		ft.	m	lbs.	kg	Pulling Tension:
1277R	3 Coax	† 500	152	25.5	11.6	400 N
		† 1000	305	48.0	21.8	
1278R	4 Coax	250	76	21.8	9.9	489 N
		† 500	152	31.5	14.3	
		† 1000	305	60.0	27.2	
1279R	5 Coax	† 500	152	40.5	18.4	578 N
		† 1000	305	80.0	36.3	
1280R	6 Coax	† 500	152	44.0	20.0	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

		ft.	m	lbs.	kg	Pulling Tension:
7787A	3 Coax	500	152	47.5	21.5	480 N
		1000	305	94.0	42.6	
7788A	4 Coax	1000	305	110.0	49.9	640 N
7789A	5 Coax	500	152	73.0	33.1	801 N
		1000	305	142.0	64.4	
7790A	6 Coax	500	152	88.5	40.1	961 N
		1000	305	176.0	79.8	
7791A	10 Coax	500	152	155.5	70.5	1601 N
		1000	305	304.0	137.9	
7792A	12 Coax	500	152	178.5	81.0	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  1505A Bundled 0.8/3.7		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 3 10 270 360 750 1000 2500 3000	0.3 0.5 0.9 3.8 4.4 6.5 7.6 12.4 13.8	1.0 1.8 2.9 12.5 14.4 21.3 24.9 40.7 45.3
																			Pulling Tension:
	7794A	3 Coax	500 1000	152 305	94.5 187.0	42.9 84.8					0.631	16.03							961 N
	7795A	4 Coax	500 1000	152 305	116.5 237.0	52.8 107.5					0.706	17.93							1281 N
	7796A	5 Coax	500 1000	152 305	153.0 299.0	69.4 135.6					0.790	20.07							1601 N
	7798A	10 Coax	500 1000	152 305	319.5 625.0	144.9 283.5					1.166	29.62							3203 N
	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  1694A Bundled 1.0/4.6		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 3.6 10 270 360 750 1000 2500 3000	0.2 0.5 0.7 3.0 3.4 5.0 5.9 9.7 10.7	0.8 1.5 2.4 9.7 11.3 16.4 19.3 31.8 35.0
																			Pulling Tension:
	7710A	3 Coax	500 1000	152 305	137.5 285.0	62.4 129.3					0.770	19.56							921 N
	7711A	4 Coax	500 1000	152 305	179.5 350.0	81.4 158.8					0.900	22.86							1227 N
	7712A	5 Coax	500 1000	152 305	216.5 454.0	98.2 205.9					0.970	24.64							1534 N
	7713A	10 Coax	500 1000	152 305	463.0 904.0	210.0 410.1					1.386	35.20							3069 N
	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

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

Miniature 0.5/1.9

Part No.		Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m	Pulling Tension
						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	
1281S3	3 Coax	† 500 † 1000	152 305	17.0 31.0	7.7 14.1				400 N
1281S4	4 Coax	† 500 † 1000	152 305	23.5 44.0	10.7 20.0				489 N
1281S5	5 Coax	† 250 † 500 † 1000	76 152 305	16.0 28.5 55.0	7.3 12.9 24.9				578 N
1281S6	6 Coax	† 500 † 1000	152 305	33.5 68.0	15.2 30.8				601 N

Nominal OD: 0.275 inch, 6.99 mm (1281S4); 0.308 inch, 7.82 mm (1281S5); 0.342 inch, 8.69 mm (1281S6)

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

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

1855A Bundled 0.6/2.6

Part No.		Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m	Pulling Tension
						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	
1855S3	3 Coax	500 1000	152 305	29.5 57.1	13.4 25.9				480 N
1855S5	5 Coax	500 1000	152 305	51.5 102.1	23.4 46.3				800 N
1855S6	6 Coax	500 1000	152 305	64.1 121.1	29.1 54.9				960 N

Nominal OD: 0.343 inch, 8.71 mm (1855S3); 0.429 inch, 10.90 mm (1855S5); 0.477 inch, 12.12 mm (1855S6)

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