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	152	12.1	5.5	0.61 mm 24 AWG (105x44) BC	0.048	1.22	Overall Double Spiral + 97% BC Braid	0.176	4.47	47	–	CDR/CDR	47	154	White, Green
			1000	305	24.1	10.9									CDR/SCR	86	283	
 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	100	9.3	4.2	0.6 mm 24 AWG (32x0.1) BC	0.057	1.45	Overall Spiral Serve + 92% BC Braid	0.240	6.10	–	–	CDR/CDR	18	60	Red, Blue
			1640	500	46.3	21.0									CDR/SCR	34	110	
			3280	1000	92.6	42.0												
 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	31	5.2	2.4	0.94 mm 20 AWG (26x34) TC	0.083	2.11	Overall 85% TC Braid	0.262	6.65	52	–	CDR/CDR	30	98	White, Black
			250	76	12.1	5.5									CDR/SCR	55	180	
			U-500	U-152	24.0	10.9												
			500	152	24.0	10.9												
			U-1000	U-305	46.0	20.9												
			1000	305	47.1	21.4												
 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	40	131	White, Green, Brown
															CDR/SCR	110	361	
 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												

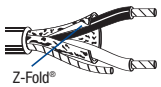
0.34 mm²

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

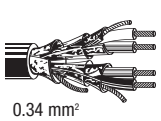
31 m put-up available in Black only.
Pulling Tension: 120 N

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

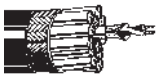
Each pair Beldfoil shielded with individual drain wire plus polyester film over each shield.
Pulling Tension: 161 N

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

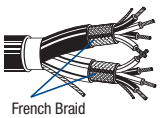
Analog Multi-Pair Snake Cables

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
 French Braid								Jacketed Pairs O.D.: 0.157	3.99									Pulling Tension:
0.14 mm² Star-Quad	**7884A**	2-Pair	250	76	27.0	12.2					0.458	11.63						396 N
			† 500	152	49.0	22.2												
			† 1000	305	98.0	44.5												
	7885A	4-Pair	250	76	36.3	16.5					0.498	12.65						792 N
			† 500	152	70.5	32.0												
			† 1000	305	136.0	61.7												
	7886A	8-Pair	† 500	152	146.5	66.5					0.782	19.86						1584 N
			† 1000	305	314.0	142.4												
	7887A	12-Pair	250	76	89.5	40.6					0.828	21.03						2380 N
			† 500	152	177.5	80.5												
			† 1000	305	365.0	165.6												
	7888A	16-Pair	250	76	114.0	51.7					0.938	23.83						3172 N
			† 500	152	238.5	108.2												
			† 1000	305	468.0	212.3												
	7889A	24-Pair	† 500	152	396.0	179.6					1.232	31.29						4759 N
			† 1000	305	798.0	362.0												
	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

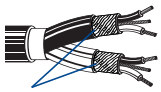
Pair No.	Color
3	Blue with White Stripe
4	White with Blue Stripe

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.

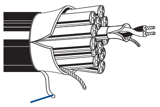
Analog Multi-Pair Snake Cables

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

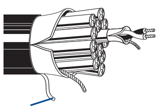
Polyolefin Insulation • Overall Black PVC Jacket with 18 AWG Tinned Copper Drain Wire



Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (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 Rip Cord		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
								Jacketed Pairs O.D.: 0.111	2.82									
0.22 mm²																		Pulling Tension:
	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



Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material Nom. DCR	Nominal OD		Nom. Imp. (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 Rip Cord		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
								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

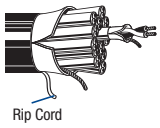
TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

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

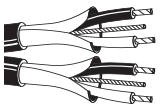
152 m put-up available in Grey only.
1524 m put-up available in Violet only.
Color Code: Red, Black

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®

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 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																			
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										Pulling Tension:
Rip Cord 0.14 mm²	**7891A**	2-Pair	500 1000	152 305	28.0 56.0	12.7 25.4					0.343	8.71							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
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**																			
Polyethylene Insulation • Overall Grey FRNC/LSNH Jacket with 26 AWG Tinned Copper Drain Wire																			
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										Burning Energy: Pulling Tension:
0.14 mm²	**YE00193**	1-Pair	1640	500	13.4	6.1					0.114	2.90							– –
	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																		

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 | 1.10 | Individual Spiral Serve > 90% TC Braid + Overall Braid | Jacketed Pairs O.D.: 0.114 | 2.90 | 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

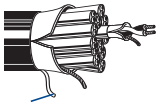
Beldfoil® High-Performance Cable, Low-Capacitance, Long-Runs
Individually Shielded and Jacketed Pairs

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



Rip Cord

NEC: CMG CEC: CMG FT4 | 0.61 mm 24 AWG (7x32) TC | 0.068 | 1.73 | Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Beldfoil® | Jacketed Pairs O.D.: 0.167 | 4.24 | 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

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	

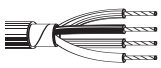
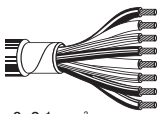
Color Code: Red, Black

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									

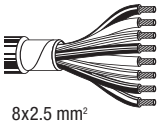
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. 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

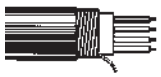
BRILLIANCE®

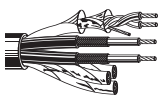
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. 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															
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	2x Video	2-Coax (1505A) 20 AWG 0.8 mm Solid BC	Duofoil® 100 % 95 % TC Braid	HDPE	PVC Black, White	0.233	5.92
										4x 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									

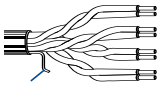
TC = Tinned Copper • TCCS = Tinned Copper-Covered Steel • BC = Bare Copper • DCR = DC resistance
SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Duofoil® see technical information page 23.13.

RJ-45 Cables for A/V Applications

BRILLIANCE®

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
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																			
	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
													100	26.4	32.3	17.1	20.8	100±18	20.1
													300	48.6	28.2	–	11.2	100±20	18.0
													350	53.2	27.2	–	9.9	100±22	17.0

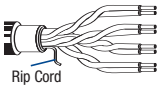


4-Pairs

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																			
	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
													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
													300	48.6	28.2	–	11.2	100±20	18.0
													350	53.2	27.2	–	9.9	100±22	17.0



4-Pairs
EtherCon® compatible

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

Brilliance® VideoTwist®

Low Skew UTP Cables for Video Transmission Category and Non-Category Styles

RESIDENTIAL

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. ( )	Min. RL dB
NanoSkew™ • 24 AWG Non-Bonded-Pair • Solid 0.5 mm BC • Twisted Pair • **Skew 2.2 ns/100 m** Nominal • Rip Cord • Non-Category Style																			
Polyolefin Insulation • Maroon PVC Jacket																			
300V RMS	**7987R**	NEC:	U-1000	U-305	22.0	10.0	0.51 mm	0.038	0.97	Non-	0.195	4.95	1	2.0	–	–	–	100 ± 15	15.0
		CMR	U-1640	U-500	36.2	16.4	24 AWG			Bonded-Pair			4	4.1	–	–	–	–	–
		CEC:					Solid BC			Unshielded			8	5.8	–	–	–	–	–
		CMG								UTP			10	6.5	–	–	–	–	–
													16	8.2	–	–	–	–	–
													20	9.3	–	–	–	–	–
													25	10.4	–	–	–	–	–
													31.25	11.7	–	–	–	–	–
													62.5	17.0	–	–	–	–	–
													100	22.0	–	–	–	–	–
													155	28.1	–	–	–	–	–
													200	32.0	–	–	–	–	–
													250*	36.4	–	–	–	–	–
													350*	44.8	–	–	–	–	–
Rip Cord																			
4-Pair																			
Color Code: see chart below																			
NanoSkew™ • Category 5e • 24 AWG Bonded-Pair • Solid 0.5 mm Bare Copper • **Skew 9.0 ns/100 m** Nominal • Rip Cord																			
Polyolefin Insulation • Green PVC Jacket																			
300V RMS	**7988R**	NEC:	U-1000	U-305	22.0	10.0	0.51 mm	0.038	0.97	Bonded-Pair	0.204	5.18	1	2.0	65.3	60.3	60.8	100 ± 15	20.0
		CMR	U-1640	U-500	36.2	16.4	24 AWG			Unshielded			4	4.1	53.3	49.2	48.7	100 ± 15	23.0
		CEC:					Solid BC			UTP			8	5.8	48.8	43.0	42.7	100 ± 15	24.5
		CMG FT4											10	6.5	47.3	40.8	40.8	100 ± 15	25.0
													16	8.2	44.3	36.0	36.7	100 ± 15	25.0
													20	9.3	42.8	33.5	34.7	100 ± 15	25.0
													25	10.4	41.3	30.9	32.8	100 ± 15	24.3
													31.25	11.7	39.9	28.2	30.9	100 ± 15	23.6
													62.5	17.0	35.4	18.4	24.8	100 ± 15	21.5
													100	22.0	32.3	10.3	20.8	100 ± 15	20.1
													155	28.1	29.5	2.0	16.9	100 ± 25	15.8
Rip Cord													200	32.4	27.8	1.0	14.7	100 ± 25	15.0
4-Pair																			
Color Code: see chart below																			
NanoSkew™ • Category 6 • 23 AWG Bonded-Pairs • Solid 0.6 mm Bare Copper • **Skew 10.0 ns/100 m** Nominal • Rip Cord																			
Polyolefin Insulation • Blue PVC Jacket																			
300V RMS	**7989R**	NEC	1000	305	32.0	14.5	0.57 mm	0.042	1.06	Bonded-Pair	0.365	9.27	1	2.0	72.3	70.3	64.8	100 ± 15	20.0
		CMR	1640	500	52.5	23.8	23 AWG			Unshielded	x	x	4	3.8	63.3	59.5	52.7	100 ± 15	23.0
		CEC					Solid BC			UTP	0.165	4.19	8	5.3	58.8	53.4	46.7	100 ± 15	24.5
		CMR FT4											10	6.0	57.3	51.3	44.8	100 ± 15	25.0
													16	7.6	54.3	46.7	40.7	100 ± 15	25.0
													20	8.5	52.8	44.3	38.7	100 ± 15	25.0
													25	9.5	51.4	41.8	36.8	100 ± 15	24.3
													31.25	10.7	49.9	39.2	34.9	100 ± 15	23.6
													62.5	15.4	45.4	30.0	28.8	100 ± 15	21.5
													100	19.8	42.3	22.5	24.8	100 ± 15	20.1
													155	25.2	39.5	14.3	20.9	100 ± 22	18.8
Rip Cord													200	29.0	37.8	8.8	18.7	100 ± 22	18.0
4-Pair MediaTwist™ Construction													250	32.8	36.3	3.5	16.8	100 ± 32	17.3
Color Code: see chart below																			

BC = Bare Copper • ACR = Attenuation Crosstalk Ratio • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • DCR = DC resistance
* Values provided for information only.

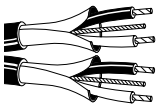
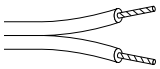
Color Code

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

Home Cinema Audio Cables

High-Conductivity (Oxygen-Free) Copper Speaker Cables

RESIDENTIAL

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. ( )	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
22 AWG • Stranded Conductors (19x34) 0.8 mm TC • Dual Twisted Pair • Individual **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire																		
PVC Insulation • PVC Jacket in Zip-Cord Construction (Red and Green, Red and Black, Red and Violet or Red and Grey)																		
150V RMS 60°C	**1504A**	NEC: CM CEC: CM	U-1000 2000	U-305 610	32.0 63.9	14.5 29.0	0.79 mm 22 AWG (19x34) TC	0.010	0.25	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.143 x 0.286	3.63 x 7.26	45	–	CDR/CDR CDR/SCR	57.0 100.0	187.0 328.0	Black, Red
 2-Pair																		
610 m put-up available in Red and Grey or Red and Green only. The jacket and shield are bonded so both can be removed with automatic stripping equipment. Drain wire is inside foil shield.										Pulling Tension: 111 N								
16 AWG • Stranded (26x30) 1.5 mm High-Conductivity (Oxygen-Free) Tinned and Bare Copper																		
PVC Insulation • Clear PVC Jacket																		
300V RMS 60°C	**9716**		U-1000 1000	U-305 305	27.1 26.0	12.3 11.8	1.5 mm 16 AWG (26x30) TC/BC	0.027	0.69	Unshielded	0.115 x 0.230	2.92 x 5.84	13	–	–	–	–	Transparent
 2 CDR 2x1.5 mm²																		
Parallel Zip Construction										Pulling Tension: 347 N								
Low Cap • 16 AWG • Stranded (65x34) 1.5 mm Oxygen-Free High-Conductivity Bare Copper • Conductors Cabled																		
Polyolefin Insulation • PVC Jacket (Green, Blue, Grey, White and Black)																		
	1307A	NEC: CMR, CL3R CEC: CMG FT 4	U-500 1000	U-152 305	15.0 29.1	6.8 13.2	1.5 mm 16 AWG (65x34) BC	0.013	0.32	Unshielded	0.210	5.33	–	–	CDR/CDR	19.9	65.3	Black, Red
 2 CDR 2x1.5 mm²																		
For audio use only. 305 m put-ups not available in Blue or Green. Suitable for direct burial applications. White and Black jackets are sunlight-resistant.										Brightly colored jackets for easy identification. Print legends that incorporate location information (room 12345, zone ABCDE). Cable jackets with ascending/descending sequential markings at 0.6 m intervals. Extremely flexible, easy-to-pull constructions (highly stranded conductors; PVC jackets)								
Polyolefin Insulation • PVC Jacket (Green, Blue, Grey, White and Black)																		
	1308A	NEC: CMR, CL3R CEC: CMG FT 4	U-500 1000	U-152 305	26.5 54.0	12.0 24.5	1.5 mm 16 AWG (65x34) BC	0.013	0.32	Unshielded	0.270	6.86	–	–	CDR/CDR	19.9	65.3	Black, Red
 4 CDR 4x1.5 mm²																		
For audio use only. 305 m put-ups not available in Blue or Green. Suitable for direct burial applications. White and Black jackets are sunlight-resistant.										Brightly colored jackets for easy identification. Print legends that incorporate location information (room 12345, zone ABCDE). Cable jackets with ascending/descending sequential markings at 0.6 m intervals. Extremely flexible, easy-to-pull constructions (highly stranded conductors; PVC jackets)								

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

Home Cinema Audio Cables

High-Conductivity (Oxygen-Free) Copper Speaker Cables

RESIDENTIAL

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. ( )	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
Low Cap • 14 AWG • Stranded (105x34) 1.9 mm Oxygen-Free High-Conductivity Bare Copper • Conductors Cabled																		
Polyolefin Insulation • PVC Jacket (Green, Blue, Grey, White and Black)																		
	1309A	NEC: CMR, CL3R CEC: CMG FT4	U-500 2000	U-152 610	22.5 46.1	10.2 20.9	1.85 mm 14 AWG (105x34) BC	0.015	0.39	Unshielded	0.264	6.71	–	–	CDR/CDR	20.5	67.3	Black, Red
	2 CDR 2x2.1 mm²	For audio use only. 305 m put-ups not available in Blue or Green. Suitable for direct burial applications. White and Black jackets are sunlight-resistant.								Brightly colored jackets for easy identification. Print legends that incorporate location information (room 12345, zone ABCDE). Cable jackets with ascending/descending sequential markings at 0.6 m intervals. Extremely flexible, easy-to-pull constructions (highly stranded conductors; PVC jackets)							
Polyolefin Insulation • PVC Jacket (Green, Blue, Grey, White and Black)																		
	1310A	NEC: CMR, CL3R CEC: CMG FT4	500 1000	152 305	41.4 84.0	18.8 38.1	1.85 mm 14 AWG (105x34) BC	0.015	0.39	Unshielded	0.319	8.10	–	–	CDR/CDR	20.5	67.3	Black, Red
	4 CDR 4x2.1 mm²	For audio use only. 305 m put-ups not available in Blue or Green. Suitable for direct burial applications. White and Black jackets are sunlight-resistant.								Brightly colored jackets for easy identification. Print legends that incorporate location information (room 12345, zone ABCDE). Cable jackets with ascending/descending sequential markings at 0.6 m intervals. Extremely flexible, easy-to-pull constructions (highly stranded conductors; PVC jackets)							
Low Cap • 12 AWG • Stranded (165x34) 2.4 mm Oxygen-Free High-Conductivity Bare Copper • Conductors Cabled																		
Polyolefin Insulation • PVC Jacket (Grey, White and Black)																		
	1311A	NEC: CMR, CL3R CEC: CMG FT 4	U-500 500 1000	U-152 152 305	36.6 36.6 74.1	16.6 16.6 33.6	2.41 mm 12 AWG (165x34) BC	0.018	0.46	Unshielded	0.352	8.94	–	–	CDR/CDR	22.3	73.2	Black, Red
	2 CDR 2x3.2 mm²	For audio use only. 305 m put-ups not available in Blue or Green. Suitable for direct burial applications. White and Black jackets are sunlight-resistant.								Brightly colored jackets for easy identification. Print legends that incorporate location information (room 12345, zone ABCDE). Cable jackets with ascending/descending sequential markings at 0.6 m intervals. Extremely flexible, easy-to-pull constructions (highly stranded conductors; PVC jackets)							
Polyolefin Insulation • PVC Jacket (Grey, White and Black)																		
	1312A	NEC: CMR, CL3R CEC: CMG FT 4	500 1000	152 305	66.6 132.1	30.2 59.9	2.41 mm 12 AWG (165x34) BC	0.018	0.46	Unshielded	0.423	10.74	–	–	CDR/CDR	22.3	73.2	Black, Red
	4 CDR 4x3.2 mm²	For audio use only. 305 m put-ups not available in Blue or Green. Suitable for direct burial applications. White and Black jackets are sunlight-resistant.								Brightly colored jackets for easy identification. Print legends that incorporate location information (room 12345, zone ABCDE). Cable jackets with ascending/descending sequential markings at 0.6 m intervals. Extremely flexible, easy-to-pull constructions (highly stranded conductors; PVC jackets)							
Low Cap • 10 AWG • Stranded (259x34) 3.0 mm Oxygen-Free High-Conductivity Bare Copper • Conductors Cabled																		
Polyolefin Insulation • PVC Jacket (Grey, White and Black)																		
	1313A	NEC: CMR, CL3R CEC: CMG FT 4	500 1000	152 305	55.1 109.1	25.0 49.5	2.97 mm 10 AWG (259x34) BC	0.026	0.66	Unshielded	0.428	10.87	–	–	CDR/CDR	23.2	76.1	Black, Red
	2 CDR 2x5.2 mm²	For audio use only. 305 m put-ups not available in Blue or Green. Suitable for direct burial applications. White and Black jackets are sunlight-resistant.								Brightly colored jackets for easy identification. Print legends that incorporate location information (room 12345, zone ABCDE). Cable jackets with ascending/descending sequential markings at 0.6 m intervals. Extremely flexible, easy-to-pull constructions (highly stranded conductors; PVC jackets)							

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance • CDR = Capacitance between conductors