

# Special Application Audio, Communication and Instrumentation Cable

Audio Connecting Cables and Dual Channel Audio Cables



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	pF/Ft.*	pF/m*

**25 AWG** Stranded (7x33) Conductor • (3) TC, (4) TCCS • Double Beldfoil® Shield (100% Coverage) • 26 AWG Stranded TC Drain Wire

**FPE Insulation • Chrome PVC Jacket**

Miniature 80°C	8417	—	1	—	250	76.2	3.3	1.5	.020	.51	.026	.66	.140	3.56	29	95
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**25 AWG** Stranded (7x33) Conductor • (3) TC, (4) TCCS • Tinned Copper Spiral Wrapped Shield (86% Coverage)

**FPE Insulation • Chrome PVC Jacket**

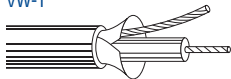
Low-Capacitance 80°C	8421	—	1	—	250	76.2	4.5	2.0	.051	1.30	.023	.58	.180	4.57	16	53
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**24 AWG** Uni-strand (7x32) Tinned Copper Conductor • Beldfoil Shield (100% Coverage)

**Flame-retardant Polypropylene Insulation • Black PVC Jacket**

UL AWM Style 1770 (300V 80°C) VV-1	9264	—	1	—	1000	304.8	14.0	6.4	.027	.69	.020	.51	.122	3.10	30	99
													x	x		
													.146	3.71		



Nominal impedance: 50 ohms.  
Tear-drop, machine strippable coaxial cable.

**Dual Channel • 30 AWG** Stranded (7x38) TCCS Conductors • Individual Tinned Copper Spiral Wrapped Shield (85% Coverage)

**FPE Insulation • Black PVC Jacket • Polarity Ribbed**

Low-Capacitance 70°C	9454	—	2	—	100	30.5	3.5	1.6	.049	1.24	.020	.51	.160	4.06	12	39
													x	x	each	
													.320	8.13	channel	



Stereo connecting cable

**Dual Channel • 25 AWG** Stranded (7x38) Conductors • (3) TC, (4) TCCS • Individual TC Spiral Wrapped Shield (90% Coverage)

**Polyethylene Insulation • Gray PVC Jacket • Polarity Rib on Red Conductor**

80°C	8416	—	2	—	250	76.2	4.8	2.2	.018	.46	.020	.51	.106	2.69	36	118
													x	x	each	
													.213	5.41	channel	



For use with head sets, stereo and language labs.

FPE = Foam Polyethylene • TC = Tinned Copper • TCCS = Tinned Copper-covered Steel

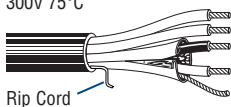
\*Capacitance between conductors.

# Special Application Audio, Communication and Instrumentation Cable

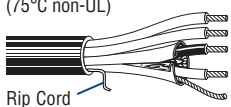
## Multimedia Control Cables



19 • Brilliance® Broadcast

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
<b>22 AWG</b> Stranded (7x30) TC Conductors (Data), STP w/Beldfoil®, TC Drain Wire • <b>18 AWG</b> (16x30) TC Conductors (Power), Unshielded Pair																		
<b>FPE Insulation (Data) • F-R PVC Insulation (Power) • F-R PVC Jacket (Available in Black, White or Aqua)</b>																		
300V 75°C  Rip Cord	<b>1502R</b>	NEC:	1 STP	Pair:	500	152.4	20.0	9.1	Data:	.039	.99	.250	6.35	14	46	38	125	
		CMR CEC: CMG FT4	+2/C	Blue, White Cond.: Red, Black	1000	304.8	44.0	20.0	.025 Power: .013	.64 .33	22 AWG Data Pair Impedance: 100Ω							

Sequential footing marking every two feet.

<b>22 AWG</b> (7x30) TC Conductors, STP w/Beldfoil, TC Drain Wire • <b>18 AWG</b> (16x30) TC Conductors Unshielded • Polypropylene Binder Tape																	
<b>Plenum • Foam FEP Insulation (Data) • Flamarrest® Insulation (Power) • Natural Flamarrest Jacket</b>																	
300V 60°C (75°C non-UL)  Rip Cord	<b>1502P</b>	NEC:	1 STP	Pair:	1000	304.8	31.0	14.1	Data:	.015	.381	.205	5.21	14	46	38	125
		CMP CEC: CMP FT6	+2/C	Blue, White Cond.: Red, Black					.025 Power: .011	.64 .28	22 AWG Data Pair Impedance: 100Ω						

BC = Bare Copper • DCR = DC Resistance • EPDM = Ethylene Propylene Diene Monomer • FEP = Fluorinated Ethylene Propylene • FPE = Foam Polyethylene • F-R = Flame-retardant • STP = Shielded Twisted Pair • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.

# Special Application Audio, Communication and Instrumentation Cable

## Microphone/Musical Instrument Cables



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

**Mic • 20 AWG** Stranded (19x32) High-conductivity TC Conductors, Cabled • Rayon Braid • TC Braid Shield (84% Coverage)

**Polyethylene Insulation • Chrome PVC Jacket**

<b>Low-Impedance</b>	<b>8405</b>	—	5	Black,	250	46.2	14.8	6.7	.016	.41	.035	.89	.281	7.14	23	76	40	131
UL AWM Style 2094				Clear,	500	152.4	29.5	13.4										
(300V 60°C)				Green,	1000	304.8	63.0	28.6										
VW-1				Red,														
				Blue														



**Mic • 20 AWG** Stranded (26x34) High-conductivity TC Conductors, Cabled • Cotton Wrap • Rayon Braid • TC Braid Shield (85% Coverage)

**Rubber Insulation • Black EPDM Rubber Jacket**

<b>Low-Impedance</b>	<b>8425</b>	—	5	Blue,	100	30.5	7.8	3.5	.023	.58	.031	.79	.318	8.08	30	98	55	180
600V RMS 90°C				Orange,	250	46.2	17.3	7.8										
(60°C non-UL)				Black,														
				White,														
				Brown														
	<b>8426</b>	—	6	(Same as 8425)	100	30.5	9.0	4.1	.023	.58	.037	.94	.342	8.69	30	98	55	180
				+ Green	250	46.2	21.0	9.5										
	<b>8427</b>	—	7	(Same as 8426)	100	30.5	9.8	4.5	.023	.58	.041	1.04	.355	9.02	30	98	55	180
				+ Red	250	46.2	22.3	10.1										
	<b>8418</b>	—	8	(Same as 8427)	100	30.5	11.0	5.0	.023	.58	.037	.94	.381	9.68	30	98	55	180
				+ Yellow	250	46.2	25.0	11.3										



EPDM = Ethylene Propylene Diene Monomer • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.