

## AES/EBU Digital Audio Cable

### Multi-Pair Snake Cables

#### Individually Shielded and Jacketed Pairs



#### Individually Shielded and Jacketed Pairs

NEC: CMG (CEC: CMG FT4)

#### Product Description

**26 AWG or 24 AWG** stranded tinned copper conductor. Datalene® insulation. Pairs individually shielded with bonded Beldfoil® with a drain wire and have numbered and color-coded PVC jackets (see Chart 7 in Technical Information Section for colors). Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Overall Beldfoil shield/drain wire plus overall Purple PVC jacket and nylon rip cord.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

**Color Code:** Black, Red.

#### Specifications

##### Nominal OD — Conductor

26 AWG	.019" (.48mm)
24 AWG	.024" (.60mm)

##### Nominal OD — Insulation

26 AWG	.054" (1.37mm)
24 AWG	.070" (1.78mm)

##### Inner Pair Jacket OD

26 AWG	.136" (3.45mm)
24 AWG	.167" (4.24mm)

##### Approvals

NEC	CMG
CEC	CMG FT4

##### Nominal DCR (26 AWG)

Conductor	37.3Ω/M' (122.3Ω/km)
Shield	25.5Ω/M' (83.6Ω/km)

##### Nominal DCR (24 AWG)

Conductor	23.7Ω/M' (77.7Ω/km)
Shield	18.9Ω/M' (62.0Ω/km)

##### Nominal Impedance

110Ω ±10Ω

##### Nominal Velocity of Propagation

76%

##### Nominal Capacitance (26 AWG)

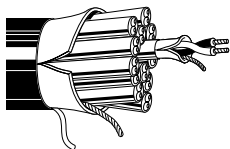
Between Conductors	12.5 pF/Ft. (41 pF/m)
Between Conductor/Shield*	25 pF/Ft. (82 pF/m)

##### Nominal Capacitance (24 AWG)

Between Conductors	12 pF/Ft. (39 pF/m)
Between Conductor/Shield*	26 pF/Ft. (86 pF/m)

DCR = DC Resistance

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



Part No.	No. of Pairs	Standard Lengths		Standard Unit Weight		Nominal OD	
		Ft.	m	Lbs.	kg	Inch	mm

#### Individually Shielded & Jacketed NEC: CMG (CEC: CMG FT4)

##### 26 AWG (7x34)

<b>7891A</b>	2	500	152.4	28.0	12.7	.343	8.71
		1000	304.8	56.0	25.5		
<b>7890A</b>	4	100	30.5	8.2	3.7	.399	10.13
		250	76.2	18.0	8.2		
		500	152.4	31.0	14.1		
		1000	304.8	61.0	27.7		
<b>7880A<sup>†</sup></b>	8	250	76.2	28.0	12.7	.541	13.74
		500	152.4	57.0	25.9		
		1000	304.8	142.0	64.4		

Fits metal shell 25-pin D-sub connectors.

<b>7892A</b>	12	500	152.4	85.5	37.9	.679	17.25
		1000	304.8	174.0	79.1		
<b>7893A</b>	16	500	152.4	109.5	49.8	.770	19.56
		1000	304.8	240.0	109.1		

#### Individually Shielded & Jacketed NEC: CMG (CEC: CMG FT4)

##### 24 AWG (7x32) • Flexible

<b>1803F</b>	4	500	152.4	57.5	26.1	.488	12.39
		1000	304.8	107.0	48.6		
<b>1805F</b>	8	500	152.4	106.5	48.3	.661	16.79
		1000	304.8	211.0	95.7		
<b>1806F</b>	12	500	152.4	160.0	72.6	.829	21.06
		1000	304.8	330.0	149.7		
<b>1850F</b>	16	500	152.4	208.0	94.4	.944	23.98
		1000	304.8	407.0	184.6		
<b>1852F</b>	24	500	152.4	321.0	145.6	1.205	30.61
		1000	304.8	644.0	292.1		
<b>1854F</b>	32	1000	304.8	841.0	381.5	1.346	34.19

<sup>†</sup>7880A is designed to fit in 25-pin D-sub connectors used in digital console board equipment.

**AES/EBU Digital Audio Cable**Multi-Pair Snake Cables  
Individually Shielded Pairs**Individually Shielded Pairs**

NEC: CM (CEC: CM)

**Product Description**

**24 AWG** stranded (7x32) tinned copper conductors. Datalene® insulation. Twisted pairs individually Beldfoil® shielded (100% Coverage). Overall Chrome PVC jacket and 24 AWG stranded tinned copper drain wire.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

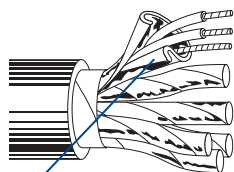
**Color Code:** See Chart 3 (in Technical Information Section)

**Specifications**

<b>Nominal OD — Conductor</b>	.024" (.60mm)
<b>Nominal OD — Insulation</b>	.061" (1.55mm)
<b>Approvals</b>	
NEC	CM
CEC	CM
<b>UL Ratings</b>	UL AWM Style 2493
<b>Voltage Rating</b>	300V
<b>Temperature Rating</b>	60°C
Non UL Temperature Rating	80°C
<b>Nominal DCR</b>	
Conductor	24.0Ω/M' (78.7Ω/km)
Shield	15.0Ω/M' (49.2Ω/km)
<b>Nominal Impedance</b>	100Ω
<b>Nominal Velocity of Propagation</b>	76%
<b>Nominal Capacitance</b>	
Between Conductors	12.5 pF/Ft. (41.0 pF/m)
Between Conductor/Shield*	23.2 pF/Ft. (76.1 pF/m)

DCR = DC Resistance

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



Z-Fold®

Part No.	No. of Pairs	Standard Lengths		Standard Unit Weight		Nominal OD	
		Ft.	m	Lbs.	kg	Inch	mm

**Individually Shielded Pairs** NEC: CM (CEC: CM)

<b>24 AWG</b>							
<b>9729</b>	2	100	30.5	4.3	2.0	.266	6.76
		500	152.4	20.5	9.3		
		1000	304.8	39.0	17.7		
		10000 <sup>†</sup>	3048.0	390.0	176.9		

For Plenum version of 9729, see 89729 or 82729.

<b>9730</b>	3	100	30.5	5.1	2.3	.334	8.48
		500	152.4	24.5	11.1		
		1000	304.8	46.0	20.9		
		10000 <sup>††</sup>	3048.0	520.0	236.4		

For Plenum version of 9730, see 89730.

<b>9728</b>	4	100	30.5	6.0	2.7	.363	9.22
		500	152.4	29.0	13.2		
		1000	304.8	51.0	23.1		

For Plenum version of 9728, see 89728.

<b>9731</b>	6	100	30.5	7.4	3.4	.421	10.69
		500	152.4	42.0	19.1		
		1000	304.8	83.0	37.7		

For Plenum version of 9731, see 89731.

<b>9732</b>	9	100	30.5	9.9	4.5	.488	12.40
		500	152.4	57.0	25.8		
		1000	304.8	106.0	48.1		

For Plenum version of 9732, see 89732.

<b>9733</b>	11	500	152.4	75.0	34.1	.575	14.61
<b>9734</b>	12	500	152.4	79.5	36.1	.575	14.61
		1000	304.8	154.0	70.0		

For Plenum version of 9734, see 89734.

<b>9735</b>	15	500	152.4	95.0	43.2	.639	16.23
		1000	304.8	185.0	84.1		

<b>9736</b>	17	500	152.4	103.5	47.0	.671	17.04
		1000	304.8	210.0	95.5		

<b>9737</b>	19	1000	304.8	231.0	105.0	.671	17.04
-------------	----	------	-------	-------	-------	------	-------

<b>9738</b>	27	1000	304.8	334.0	151.8	.797	20.24
-------------	----	------	-------	-------	-------	------	-------

<sup>†</sup> Total length may vary -10 to +5% from length shown and may contain 2 pieces.  
Minimum length of any one piece will be 1500 ft.

<sup>††</sup> Total length may vary -10 to +20% from length shown and may contain 2 pieces.  
Minimum length of any one piece will be 1500 ft.

**AES/EBU Digital Audio Cable**Plenum-Rated, Multi-Pair Snake Cables  
Individually Shielded Pairs**Individually Shielded Pairs**

NEC: CMP (CEC: CMP FT6)

**Product Description**

**24 AWG** stranded (7x32) tinned copper conductors. Foam FEP insulation. Twisted pairs individually Beldfoil® shielded (100% Coverage). Overall Gray fluorocopolymer jacket (except 82729 which has Natural Flamarrest® jacket). 24 AWG stranded tinned copper drain wire.

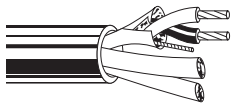
Color Code: See Chart 5 (in Technical Information Section)

**Specifications**

<b>Nominal OD — Conductor</b>	.024" (.60mm)
<b>Nominal OD — Insulation</b>	.062" (1.57mm)
<b>Approvals</b>	
NEC	CMP
CEC	CMP FT6
<b>UL Ratings</b>	Non-conduit
<b>Voltage Rating</b>	300V RMS
<b>Nominal DCR</b>	
Conductor	23.3Ω/M' (76.4Ω/km)
Shield	14.4Ω/M' (47.2Ω/km)
<b>Nominal Impedance</b>	100Ω
<b>Nominal Velocity of Propagation</b>	76%
<b>Nominal Capacitance</b>	
Between Conductors	13.5 pF/Ft. (44 pF/m)
Between Conductor/Shield*	22.5 pF/Ft. (73.8 pF/m)

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

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



Part No.	No. of Pairs	Standard Lengths		Standard Unit Weight		Nominal OD	
		Ft.	m	Lbs.	kg	Inch	mm

**Plenum Individually Shielded NEC: CMP (CEC: CMP FT6)**

24 AWG							
<b>82729</b>	2	U-1000 1000	U-304.8 304.8	26.0 28.0	11.8 12.7	.255	6.48
<b>89729</b>	2	500 1000	152.4 304.8	17.0 31.0	7.7 14.1	.261	6.63
<b>89730</b>	3	500 1000	152.4 304.8	21.5 40.0	9.8 18.2	.278	7.06
<b>89728</b>	4	500 1000	152.4 304.8	26.5 50.0	12.0 22.7	.307	7.80
<b>89705</b>	5	500 1000	152.4 304.8	30.5 62.0	13.9 28.2	.333	8.46
<b>89731</b>	6	500 1000	152.4 304.8	35.0 71.0	15.9 32.3	.361	9.17
<b>89757</b>	7	500 1000	152.4 304.8	39.5 80.0	18.0 36.4	.361	9.17
<b>89732</b>	9	1000	304.8	108.0	49.0	.433	10.99
<b>89734</b>	12	500 1000	152.4 304.8	71.0 140.0	32.3 63.6	.498	12.65
<b>89758</b>	18	500 1000	152.4 304.8	100.5 204.0	45.7 92.7	.616	15.65

Spools are one piece, but length may vary ±10% from length shown.  
Unreel® carton may vary -5% to +10% from length shown.