

AES/EBU Digital Audio Cable

Multi-Pair Snake Cables

Individually Shielded and Jacketed Pairs



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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)

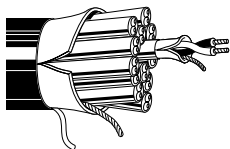
Between Conductors	12.5 pF/Ft. (41 pF/m)
Between Conductor/Shield*	25 pF/Ft. (82 pF/m)

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)

7891A	2	500	152.4	28.0	12.7	.343	8.71
		1000	304.8	56.0	25.5		
7890A	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		
7880A[†]	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.

7892A	12	500	152.4	85.5	37.9	.679	17.25
		1000	304.8	174.0	79.1		
7893A	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

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

[†]7880A is designed to fit in 25-pin D-sub connectors used in digital console board equipment.