

1800B Paired - AES/EBU Digital Audio Cable



Description:

24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, twisted pairs, overall 100% Beldfoil® shield plus 24 AWG tinned copper drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	24
Stranding	7x32
Conductor Diameter	.024 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Datalene®
Insulation Material	FHDPE - Foam High Density Polyethylene
Insulation Diameter	.068 in.

Pair Color Code Chart :

Number	Color
1	Red & Black

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield % Coverage	100 %

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	24
Outer Shield Drain Wire Stranding	7x32
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter	.177 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +60°C
UL Temperature Rating	60°C
Bulk Cable Weight	18.3 lbs/1000 ft.
Max. Recommended Pulling Tension	16.5 lbs.
Min. Bend Radius (Install)	1.75 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMG
CEC/C(UL) Specification	CMG
Other Specification	AES/EBU

FLAME TEST:

C(UL) Flame Test	FT4
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	1801B

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	110 Ohms
Nom. Inductance	.18 μ H/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	12 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	26 pF/ft
Nominal Velocity of Propagation	76 %
Nom. Conductor DC Resistance @ 20 Deg. C	23.7 Ohms/1000 ft
Nom. Attenuation (dB/100 ft) :	

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	.384			.69
	.7056			.93
	.768			.96
	1.024			1.07
	1.4112			1.19
	1.536			1.21
	2.048			1.31
	2.8224			1.41
	3.072			1.45
	4.096			1.57
	5.6448			1.76
	6.144			1.83
	8.192			2.01
	11.2896			2.24
	12.288			2.30
	24.576			3.08

Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	2.75 Amps per conductor @ 25°C

NOTES:

Notes	For cross-connect use with 1803F (et al.) Digital Audio Snake Cables. The jacket and shield are bonded so both can be removed with automatic stripping equipment.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1800B 0071000	#24 FHDPE FS PR PVC	1000	18	VIOLET	C
1800B 0075000	#24 FHDPE FS PR PVC	5000	90	VIOLET	C
1800B 007U1000	#24 FHDPE FS PR PVC	U1000	18	VIOLET	
1800B T5X1000	#24 FHDPE FS PR PVC	1000	18	GRAY T5X	C
1800B T5X500	#24 FHDPE FS PR PVC	500	9.5	GRAY T5X	C
1800B T5XU1000	#24 FHDPE FS PR PVC	U1000	18	GRAY T5X	

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-13-2004

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