

# Technical Data Sheet

## AES/EBU Digital Plenum Audio Cables

# WEST PENN WIRE

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<b>PART NUMBER:</b>	<b>DA252401</b>
<b>DESCRIPTION:</b>	24/2 Stranded tinned copper conductors, individually shielded with an overall jacket.
<b>NEC RATING:</b>	CMP, NEC Article 800
<b>APPROVALS:</b>	(UL) Listed
<b>APPLICATION:</b>	Indoor Plenum for: Pro Audio, Sound Systems, Recording Studio, Post Production facilities.

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### Construction Parameters:

Conductor	24 AWG Tinned Copper
Stranding	7x32
Insulation Material	Low-Loss Foam
Insulation Thickness	0.020" Nom.
Number of Conductors	2 (1 Pair)
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	PVDF
Jacket Thickness	0.010" Nom.
Overall Cable Diameter	.141" Nom.
Approximate Cable Weight	12 Lbs/1M' Nom.
Flame Rating	NFPA 262 Flame Test

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### Electrical & Environmental Properties:

Temperature Rating	-10deg C to 60deg C
Operating Voltage	300 V RMS
Max. Capacitance Between Conductors @ 1 KHz	12.5 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	22.5 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	26 Ohms/1M' Nom.
Velocity of Propagation	78% Nom.
Impedance	110Ω
Insulation Colors	1. Black/Red
Jacket Color	Gray
RoHS Compliant	--

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### Mechanical Properties:

Max. Recommended Pull Tension	26 lbs.
Min. Bend Radius (Install)	1.4"

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Specification Issue Date: 7/06

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Standard Lengths are 1000ft.  
The Jacket is sequentially footmarked.  
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