

# Technical Data Sheet

## Data Grade Cables

# WEST PENN WIRE

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<b>PART NUMBER:</b>	<b>D301</b>
<b>DESCRIPTION:</b>	22/3 Stranded tinned copper conductors, shielded with an overall jacket.
<b>NEC RATING:</b>	CM, NEC Article 800
<b>APPROVALS:</b>	(UL) or c(ETL)us Listed
<b>APPLICATION:</b>	Indoor data cable for: Control, Signaling, Electronic, Microprocessor Based.

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### Construction Parameters:

Conductor	22 AWG Tinned Copper
Stranding	7x30
Insulation Material	Copolene
Insulation Thickness	0.010" Nom.
Number of Conductors	3
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	PVC
Jacket Thickness	0.030" Nom.
Overall Cable Diameter	0.179" Nom.
Approximate Cable Weight	19 Lbs/1M' Nom.
Flame Rating	UL 1685

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### Electrical & Environmental Properties:

Temperature Rating	-20deg C to 60deg C
Operating Voltage	300 V RMS
Max.Capacitance Between Conductors @ 1 KHz	26 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	47 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	17 Ohms/1M' Nom.
Velocity of Propagation	71% Nom.
Impedance	55Ω Nom
Insulation Colors	1. Black, 2. Red, 3. White
Jacket Color	Gray
RoHS Compliant	--

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### Mechanical Properties:

Max. Recommended Pull Tension	42 lbs.
Min. Bend Radius (Install)	1.7"

Specification Issue Date: 7/06

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