

# Technical Data Sheet

## Data Grade Cables

# WEST PENN WIRE

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<b>PART NUMBER:</b>	<b>D25294</b>
<b>DESCRIPTION:</b>	16/2 Stranded tinned copper conductors, overall shielded with an overall jacket.
<b>NEC RATING:</b>	CMP, NEC Article 800
<b>APPROVALS:</b>	(UL)- C(UL) Listed or c(ETL)us Listed
<b>APPLICATION:</b>	Indoor data cable for: Control, Signaling, Electronic, Microprocessor Based.

### Construction Parameters:

Conductor	16 AWG Tinned Copper
Stranding	19x29
Insulation Material	Teflon
Insulation Thickness	0.010" Nom.
Number of Conductors	2 (1 Pair)
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	Copolymer
Jacket Thickness	0.015" Nom.
Overall Cable Diameter	0.170" Nom.
Approximate Cable Weight	31 Lbs/1M' Nom.
Flame Rating	NFPA 262 Flame Test

### Electrical & Environmental Properties:

Temperature Rating	-10deg C to 60deg C
Operating Voltage	300 V RMS
Max.Capacitance Between Conductors @ 1 KHz	36 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	65 pf/ft Nom
Velocity of Propagation	69% Nom.
Impedance	40Ω. Nom.
DC Resistance per Conductor @ 20deg C	4.4 Ohms/1M' Nom.
Insulation Colors	1. Black, 2.Red
Jacket Color	Gray tint
RoHS Compliant	--

### Mechanical Properties:

Max. Recommended Pull Tension	69 lbs.
Min. Bend Radius (Install)	1.7"
Specification Issue Date:	7/06

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**Cold Environment Precautions:** Due to the nature of  
PVC Compounds to become non-pliable when stored  
or handled in ambient temperatures of 32 deg. F or  
less, we recommend the following:

**“Prior to installation, condition the cable for at  
least 24 hours at room temperature to provide the  
best flex properties for ease of installation.”**

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