

# Technical Data Sheet

## Data Grade Cables



# WEST PENN WIRE

2833 West Chestnut Street  
Washington, PA 15301  
Toll Free: (800) 245-4964  
Fax: (724) 222-6420  
www.westpenn-wpw.com

---

<b>PART NUMBER:</b>	<b>D439</b>
<b>DESCRIPTION:</b>	4 Pair 22 Awg. Stranded tinned copper conductors, individually 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.

---

### Construction Parameters:

Conductor	22 AWG Tinned Copper
Stranding	7x30
Insulation Material	Polyolefin
Insulation Thickness	0.006" Nom.
Number of Conductors	8 (4 Pair)
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	PVC
Jacket Thickness	0.025" Nom.
Overall Cable Diameter	0.280" Nom.
Approximate Cable Weight	49 Lbs/1M' Nom.
Flame Rating	UL 1685

---

### Electrical & Environmental Properties:

Temperature Rating	-20deg C to 60deg C
Operating Voltage	300 V RMS
Max.Capacitance Between Conductors @ 1 KHz	34 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	67 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	17 Ohms/1M' Nom.
Velocity of Propagation	66% Nom.
Impedance	55Ω Nom
Insulation Colors	1. Black/Red, 2. Black/White, Black/Green, Black/Blue
Jacket Color	Gray
RoHS Compliant	Y

---

### Mechanical Properties:

Max. Recommended Pull Tension	92 lbs.
Min. Bend Radius (Install)	2.8"

Specification Issue Date: 7/06

This document is the property of West Penn Wire.  
The information contained herein is considered  
Proprietary and not to be reproduced by any means  
Without written consent of West Penn Wire

Standard Lengths are 1000ft.  
The Jacket is sequentially footmarked.  
The information presented here is, to the best of our  
knowledge, is true and accurate. However, since  
conditions of use are beyond our control, all  
recommendations or suggestions are presented  
without guarantee or responsibility on our part. We  
disclaim all liability in connection with the use of  
information contained herein or otherwise.