

# Technical Data Sheet

## Data Grade RS-485 Cables

# WEST PENN WIRE



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<b>PART NUMBER:</b>	<b>D4854</b>
<b>DESCRIPTION:</b>	4 Pair 24 Awg. Stranded tinned copper conductors, shielded with an overall jacket.
<b>NEC RATING:</b>	CM, NEC Article 800
<b>APPROVALS:</b>	(UL) Listed
<b>APPLICATION:</b>	Indoor data cable for: Computer Application, Low-Capacitance Data.

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### Construction Parameters:

Conductor	24 AWG Tinned Copper
Stranding	7x32
Insulation Material	Polyolefin
Insulation Thickness	0.035" Nom.
Number of Conductors	8 (4 pair)
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	PVC
Jacket Thickness	0.032" Nom.
Overall Cable Diameter	0.345" Nom.
Approximate Cable Weight	81 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	12.8 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	23 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	24 Ohms/1M' Nom.
Velocity of Propagation	66% Nom.
Impedance	120Ω Nom
Insulation Colors	1. Blue- White/Blue, 2. Orange-White/Orange, 3. Green-White/Green, 4. Brown- White/Brown
Jacket Color	Gray
RoHS Compliant	--

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### Mechanical Properties:

Max. Recommended Pull Tension	110 lbs.
Min. Bend Radius (Install)	3.4"

Specification Issue Date: 7/06

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