

Technical Data Sheet

Data Grade Cables



WEST PENN WIRE

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PART NUMBER:	D431
DESCRIPTION:	3 Pair 22 Awg. Stranded tinned copper conductors, individually shielded with an overall jacket.
NEC RATING:	CM, NEC Article 800
APPROVALS:	(UL) or c(ETL)us Listed
APPLICATION:	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	6 (3 Pair)
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	PVC
Jacket Thickness	0.025" Nom.
Overall Cable Diameter	0.258" Nom.
Approximate Cable Weight	40 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
Jacket Color	Gray
RoHS Compliant	--

Mechanical Properties:

Max. Recommended Pull Tension	74 lbs.
Min. Bend Radius (Install)	2.5"

Specification Issue Date: 7/06

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