

Technical Data Sheet

Data Grade Cables



WEST PENN WIRE

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PART NUMBER:	D25303
DESCRIPTION:	18/3 Stranded tinned copper conductors, overall shielded with an overall jacket.
NEC RATING:	CMP, NEC Article 800
APPROVALS:	(UL)- C(UL) Listed or c(ETL)us Listed
APPLICATION:	Indoor data cable for: Control, Signaling, Electronic, Microprocessor Based.

Construction Parameters:

Conductor	18 AWG Tinned Copper
Stranding	7x26
Insulation Material	Teflon
Insulation Thickness	0.010" Nom.
Number of Conductors	3
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	Copolymer
Jacket Thickness	0.015" Nom.
Overall Cable Diameter	0.185" Nom.
Approximate Cable Weight	30 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	30 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	54 pf/ft Nom.
Velocity of Propagation	69% Nom.
Impedance	45Ω
DC Resistance per Conductor @ 20deg C	6.6 Ohms/1M' Nom.
Insulation Colors	1. Black, Red, White
Jacket Color	Gray tint
RoHS Compliant	--

Mechanical Properties:

Max. Recommended Pull Tension	78 lbs.
Min. Bend Radius (Install)	1.8"
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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