

# Technical Data Sheet

## Plenum Communication Cables

# WEST PENN WIRE



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<b>PART NUMBER:</b>	<b>253188B</b>
<b>DESCRIPTION:</b>	18/8 Stranded bare copper conductors, 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 within ducts, plenums, and other spaces used for environmental air for (Intercom Systems, Security Systems, Sound, Audio, Background Music)

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### Construction Parameters:

Conductor	18 AWG Bare Copper
Stranding	7x26
Insulation Material	Flex Plenum PVC
Insulation Thickness	0.008" Nom.
Number of Conductors	8
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	Flex Plenum PVC
Jacket Thickness	0.015" Nom.
Overall Cable Diameter	0.244" Nom.
Approximate Cable Weight	76 Lbs/1M' Nom.
Flame Rating	NFPA 262 Flame Test

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### Electrical & Environmental Properties:

Temperature Rating	-10°C To +60°C
Operating Voltage	300 V RMS
Max.Capacitance Between Conductors @ 1 KHz	68 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	122 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	6.2 Ohms/1M' Nom.
Insulation Colors	Black, Red
Jacket Color	Gray
RoHS Compliant	Yes

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### Mechanical Properties:

Max. Recommended Pull Tension	183 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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