

Technical Data Sheet

Plenum Communication Cables

WEST PENN WIRE



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PART NUMBER:	253188B
DESCRIPTION:	18/8 Stranded bare copper conductors, shielded with an overall jacket.
NEC RATING:	CMP, NEC Article 800
APPROVALS:	(UL) C(UL) Listed or c(ETL)us Listed
APPLICATION:	Indoor within ducts, plenums, and other spaces used for environmental air for (Intercom Systems, Security Systems, Sound, Audio, Background Music)

Construction Parameters:

Conductor	18 AWG Bare Copper
Stranding	7x26
Insulation Material	Polymer Alloy
Insulation Thickness	0.010" Nom.
Number of Conductors	8
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	Flexible Plenum
Jacket Thickness	0.015" Nom.
Overall Cable Diameter	0.251" Nom.
Approximate Cable Weight	76 Lbs/1M' Nom.
Flame Rating	NFPA 262 Flame Test

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	--

Mechanical Properties:

Max. Recommended Pull Tension	183 lbs
Min. Bend Radius (Install)	2.5"

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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