

Technical Data Sheet

Plenum Communication Cables

WEST PENN WIRE



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PART NUMBER:	253186B
DESCRIPTION:	18/6 Stranded bare copper conductors, shielded with an overall jacket.
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	6
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	Flexible Plenum
Jacket Thickness	0.015" Nom.
Overall Cable Diameter	0.232" Nom.
Approximate Cable Weight	50 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, White, Green, Brown, Blue
Jacket Color	Gray
RoHS Compliant	--

Mechanical Properties:

Max. Recommended Pull Tension	141 lbs
Min. Bend Radius (Install)	2.25"

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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