

Technical Data Sheet

Plenum Communication Cables

WEST PENN WIRE



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PART NUMBER:	253271B
DESCRIPTION:	22/8 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	22 AWG Bare Copper
Stranding	7x30
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	0.197" Nom.
Approximate Cable Weight	31 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	55 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	99 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	17 Ohms/1M' Nom.
Insulation Colors	Black, Red, White, Green, Brown, Blue, orange, Yellow
Jacket Color	Gray
RoHS Compliant	No

Mechanical Properties:

Max. Recommended Pull Tension	87 lbs
Min. Bend Radius (Install)	1.9"

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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