

# Technical Data Sheet

## Plenum Communication Cables

# WEST PENN WIRE



2833 West Chestnut Street  
Washington, PA 15301  
Toll Free: (800) 245-4964  
Fax: (724) 222-6420  
www.westpenn-wpw.com

<b>PART NUMBER:</b>	<b>25242B</b>
<b>DESCRIPTION:</b>	20/4 Stranded bare copper conductors, unshielded 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 (Pro Audio, Intercom Systems, Security Systems, Sound, Background Music)

### Construction Parameters:

Conductor	20 AWG Bare Copper
Stranding	7x28
Insulation Material	Polymer Alloy
Insulation Thickness	0.010" Nom.
Number of Conductors	4
Shield	None
Drain	None
Jacket Material	Flexible Plenum
Jacket Thickness	0.015" Nom.
Overall Cable Diameter	0.170" Nom.
Approximate Cable Weight	22 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	27 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	10 Ohms/1M' Nom.
Insulation Colors	Black, Red, White, Green
Jacket Color	Gray
RoHS Compliant	Yes

### Mechanical Properties:

Max. Recommended Pull Tension	48 lbs
Min. Bend Radius (Install)	1.6"

Specification Issue Date: 7/06

This document is the property of West Penn Wire.  
The information contained herein is considered  
Proprietary and not to be reproduced by any means  
Without written consent of West Penn Wire

**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.  
The information presented here is, to the best of our  
knowledge, is true and accurate. However, since  
conditions of use are beyond our control, all  
recommendations or suggestions are presented  
without guarantee or responsibility on our part. We  
disclaim all liability in connection with the use of  
information contained herein or otherwise.