

# Technical Data Sheet

## Plenum Communication Cables



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>253241B</b>
<b>DESCRIPTION:</b>	22/4 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)

### Construction Parameters:

Conductor	22 AWG Bare Copper
Stranding	7x30
Insulation Material	Flex Plenum PVC
Insulation Thickness	0.007" Nom.
Number of Conductors	4
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	Flex Plenum PVC
Jacket Thickness	0.015" Nom.
Overall Cable Diameter	0.141" Nom.
Approximate Cable Weight	18 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
Jacket Color	Gray, White
RoHS Compliant	Yes

### Mechanical Properties:

Max. Recommended Pull Tension	51 lbs
Min. Bend Radius (Install)	1.5"



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

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.