Technical Data Sheet
Plenum Communication Cables

WEST PENN WIRE

PART NUMBER:	**25440B**
DESCRIPTION:	18Awg. 2 Pair Stranded bare copper conductors, individually 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 (Pro Audio, Intercom Systems, Security Systems, Sound, Background Music)

Construction Parameters:

Conductor	18 AWG Bare Copper
Stranding	7x26
Insulation Material	Flex Plenum PVC
Insulation Thickness	0.008" Nom.
Number of Conductors	4 (2 Pairs)
Shield	Individually 100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper Common to all shields
Jacket Material	Flex Plenum PVC
Jacket Thickness	0.015" Nom.
Overall Cable Diameter	0.253" Nom.
Approximate Cable Weight	43 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	Yes

Mechanical Properties:

Max. Recommended Pull Tension	77 lbs
Min. Bend Radius (Install)	2.5"

Specification Issue Date: 7/06

Standard Lengths are 1000ft.
The Jacket is sequentially footmarked.
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