

Technical Data Sheet Plenum Communication Cables

WEST PENN WIRE



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PART NUMBER:	25293B
DESCRIPTION:	18/2 Stranded bare copper conductors, shielded with an overall jacket.
NEC RATING:	CMP, NEC Article 800
APPROVALS:	(UL) C(UL) 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	Low Smoke PVC
Insulation Thickness	0.008" Nom.
Number of Conductors	2
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper 24 AWG
Jacket Material	Low Smoke PVC
Jacket Thickness	0.015" Nom.
Rip cord	Yes
Overall Cable Diameter	0.156" Nom.
Approximate Cable Weight	21 Lbs/1M' Nom.
Flame Rating	NFPA 262 Flame Test
NEC Article	800

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.
Nom. Inductance	.15uH/ft
Insulation Colors	Black, Red
Jacket Color	Gray, Yellow, Blue, Black
	25293B, 25293B-YE

Mechanical Properties:

Max. Recommended Pull Tension	57 lbs
Min. Bend Radius (Install)	1.6"

Put ups:

Advantage Box	500ft.
Advantage Box	1000ft.

Specification Issue Date: 7/06 Revision 2: 6/10

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