

Technical Data Sheet

Fire Alarm Cables- Addressable

WEST PENN WIRE

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PART NUMBER:	D989
DESCRIPTION:	16/3 Solid bare copper conductors, shielded with an overall jacket.
NEC RATING:	FPL, NEC Article 760
APPROVALS:	(UL) or (ETL)us Listed
APPLICATION:	Indoor data fire alarm cable for (Data Circuits, Initiating Circuits, Notification Circuits, Addressable Systems)

Construction Parameters:

Conductor	16 AWG Bare Copper
Stranding	Solid
Insulation Material	Copolene
Insulation Thickness	0.015" Nom.
Number of Conductors	3
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	PVC
Jacket Thickness	0.030" Nom.
Overall Cable Diameter	0.250" Nom.
Approximate Cable Weight	45 Lbs/1M' Nom.
Flame Rating	UL 1685 Vertical Tray Flame Test

Electrical & Environmental Properties:

Temperature Rating	-20deg C to 60deg C
Operating Voltage	300 V RMS
Max.Capacitance Between Conductors @ 1 KHz	30 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	54 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	4.1 Ohms/1M' Nom.
Velocity of Propagation	71% Nom.
Insulation Colors	Black, Red, Brown
Jacket Color	Red
RoHS Compliant	--

Mechanical Properties:

Max. Recommended Pull Tension	101 lbs.
Min. Bend Radius (Install)	2.5"

Specification Issue Date: 7/06

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