

Technical Data Sheet

Fire Alarm Cables- Addressable

WEST PENN WIRE



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

PART NUMBER:	D977
DESCRIPTION:	18/4 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	18 AWG Bare Copper
Stranding	Solid
Insulation Material	Copolene Insulation
Insulation Thickness	0.015" Nom.
Number of Conductors	4
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	PVC
Jacket Thickness	0.030" Nom.
Overall Cable Diameter	0.240" Nom.
Approximate Cable Weight	40 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	25 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	45 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	6.5 Ohms/1M' Nom.
Velocity of Propagation	71% Nom.
Insulation Colors	Black, Red, Brown, Blue
Jacket Color	Red
RoHS Compliant	--

Mechanical Properties:

Max. Recommended Pull Tension	104 lbs.
Min. Bend Radius (Install)	2.4"

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.