

## Technical Data Sheet

### Aquaseal® Fire-Alarm Cables

# WEST PENN WIRE



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<b>PART NUMBER:</b>	<b>AQ3245</b>
<b>DESCRIPTION:</b>	16/4 Stranded bare copper conductors, overall shield with Aquaseal tape and overall jacket.
<b>NEC RATING:</b>	FPL – PLTC, NEC Article 760 And 725
<b>APPROVALS:</b>	(UL) or (ETL)us Listed – Direct Burial
<b>APPLICATION:</b>	Materials suitable for outdoor use (direct burial), and indoor trays, allows a variety of uses for (Low voltage industrial process control circuits, Power-Limited circuits, Power-Limited fire alarm circuits, Power-Limited tray cable PLTC)

### Construction Parameters:

Conductor	16 AWG Bare Copper
Stranding	7x24
Insulation Material	PVC with Nylon
Insulation Thickness	PVC 0.015" Nom. Nylon .005" Nom.
Number of Conductors	4
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Water-Blocking Tape	2 Ply water swellable tape
Jacket Material	Sunlight/ Moisture Resistant PVC
Jacket Thickness	0.050" Nom.
Overall Cable Diameter	0.415" Nom.
Approximate Cable Weight	97 Lbs/1M' Nom.
Flame Rating	UL 1685 Vertical Tray

### Electrical & Environmental Properties:

Temperature Rating	-20deg C to 60deg C
Operating Voltage	300 V RMS
Max.Capacitance Between Conductors @ 1 KHz	37 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	67 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	4.2 Ohms/1M' Nom.
Insulation Colors	Black, Red, Brown, Blue
Jacket Color	Black
RoHS Compliant	--
TIA455-82B Water Infiltration Test Compliant	Yes
UL 444 & 13 Compliant	Yes

### Mechanical Properties:

Max. Recommended Pull Tension	123 lbs.
Min. Bend Radius (Install)	4.1"

Specification Issue Date: 7/06

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