

# Technical Data Sheet

## Aquaseal® Fire-Alarm Cables

**WEST PENN WIRE**



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<b>PART NUMBER:</b>	<b>AQ227</b>
<b>DESCRIPTION:</b>	12/2 Stranded bare copper conductors, overall unshielded with Aquaseal tape and overall jacket.
<b>NEC RATING:</b>	FPL – PLTC, CL3 NEC Article 760 And 725
<b>APPROVALS:</b>	(UL) Listed – Direct Burial
<b>APPLICATION:</b>	Materials suitable for outdoor use, 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	12 AWG Bare Copper
Stranding	19x25
Insulation Material	PVC with Nylon
Insulation Thickness	PVC 0.015" Nom. Nylon .005" Nom.
Number of Conductors	2 (1 Pair)
Shield	None
Drain	None
Water-Blocking Tape	2 Ply water swellable tape
Jacket Material	Sunlight/ Moisture Resistant PVC
Jacket Thickness	0.040" Nom.
Overall Cable Diameter	0.340" Nom.
Approximate Cable Weight	78 Lbs/1M' Nom.
Flame Rating	UL 1685 Vertical Tray

### Electrical & Environmental Properties:

Temperature Rating	-20deg C to 90deg C
Operating Voltage	300 V RMS
Max.Capacitance Between Conductors @ 1 KHz	36 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	1.7 Ohms/1M' Nom.
Insulation Colors	Black, Red
Jacket Color	Black
RoHS Compliant	--
TIA455-82B Water Infiltration Test Compliant	Yes
UL 444 & 13 Compliant	Yes

### Mechanical Properties:

Max. Recommended Pull Tension	146 lbs.
Min. Bend Radius (Install)	3.4"

Specification Issue Date: 7/06

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 The Jacket is sequentially footmarked.  
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