

WPW

# WEST PENN WIRE

WPW

## Aquaseal Water Resistant Cables

When you think of Low-Voltage Indoor/Outdoor installations, one name jumps out of the water, **AQUASEAL Water Resistant Cables**.

West Penn Wire set the standard For indoor/outdoor fire-alarm installations in 1995. Since then **AQUASEAL Water Resistant Cables**, the industries original water resistant, water blocking low voltage cable, has become the recognized name for indoor/outdoor applications such as:

- Power-Limited Fire Alarm Circuits
- Intercom Systems
- Sound & Audio
- Background Music
- CCTV Systems
- CATV Systems

**DO NOT LET AN INFERIOR PRODUCT RAIN ON YOUR PARADE. CHOOSE THE CABLE THAT EXCEEDS EXPECTATIONS WITH WATER BLOCKING PERFORMANCE!**



**CHOOSE THE CABLE THAT MEETS:  
UL STANDARDS 444 & 13.  
AND  
TIA455-82B WATER INFILTRATION TEST**

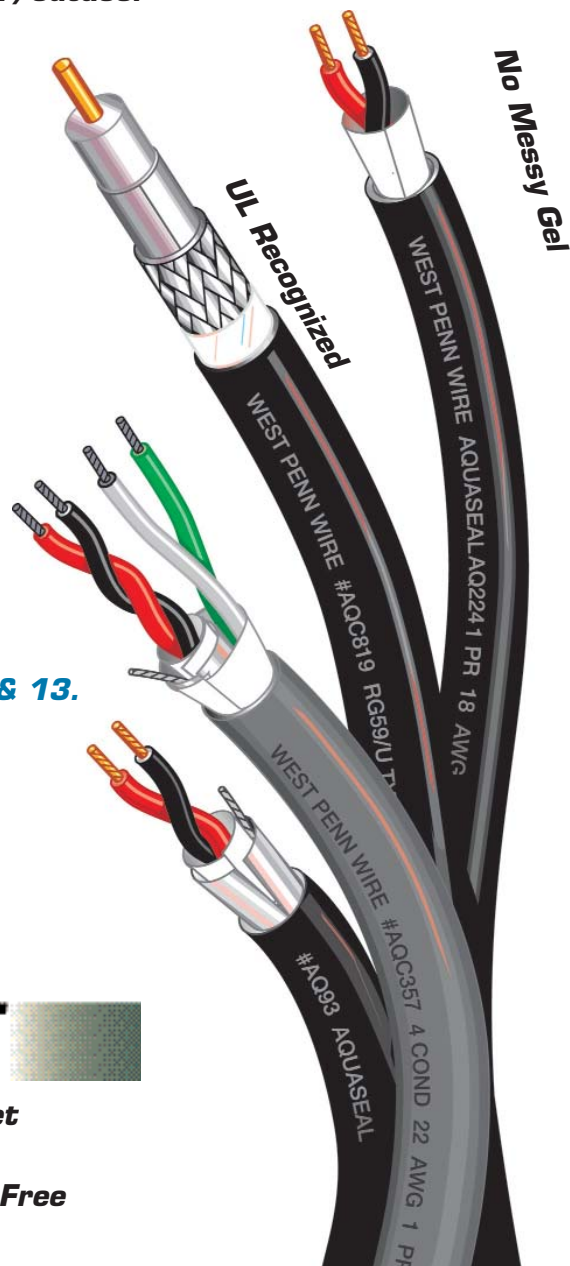
### WEST PENN WIRE

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Washington, Pa 15301

• **800-245-4964** Toll Free

• 724-222-6420 fax

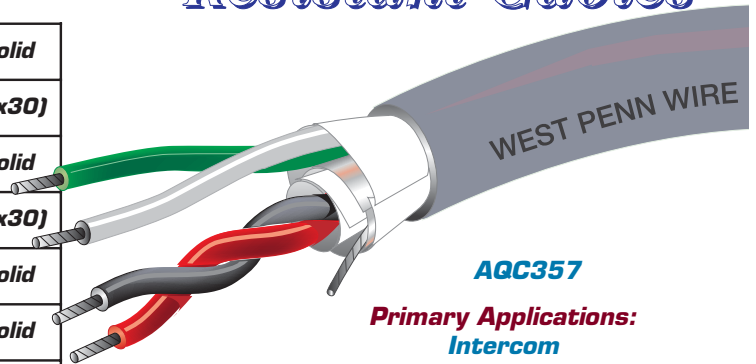
• [info@westpenn-wpw.com](mailto:info@westpenn-wpw.com) • [www.westpenn-wpw.com](http://www.westpenn-wpw.com)



# Aquaseal Water Resistant Cables

## Aquaseal CM & CL3 Unshielded/Shielded

<b>AQC351</b>	<b>3 (2 shielded, 1 unshielded) 22 Solid</b>
<b>AQC352</b>	<b>3 (2 shielded, 1 unshielded) 22 (7x30)</b>
<b>AQC355</b>	<b>4 (2 shielded, 2 unshielded) 22 Solid</b>
<b>AQC357</b>	<b>4 (2 shielded, 2 unshielded) 22 (7x30)</b>
<b>AQC369</b>	<b>6 (2 shielded, 4 unshielded) 22 Solid</b>
<b>AQC373</b>	<b>6 (2 shielded, 4 unshielded) 22 Solid</b>
<b>AQC358</b>	<b>3 (2 shielded, 1 unshielded) 20 (7x28)</b>
<b>AQC359</b>	<b>4 (2 shielded, 2 unshielded) 20 (7x28)</b>

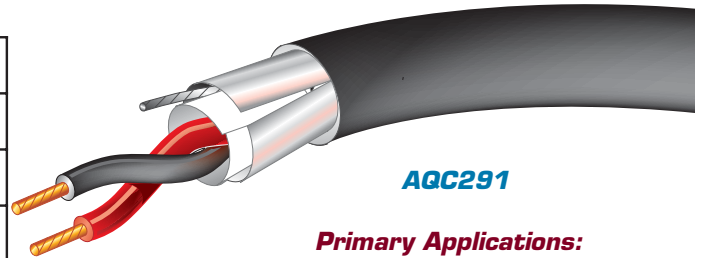


**AQC357**

**Primary Applications:**  
Intercom  
Control  
Audio

## Aquaseal CM & CL3 Shielded

<b>AQC291</b>	<b>1 pair 22 (7x30) Shielded</b>
<b>AQC3274</b>	<b>15 Conductor 22 (7x30) Shielded</b>
<b>AQC292</b>	<b>1 pair 20 (7x28) Shielded</b>
<b>AQC293</b>	<b>1 pair 18 (7x26) Shielded</b>
<b>AQC3186</b>	<b>6 Conductor 18 (7x26) Shielded</b>
<b>AQC3283</b>	<b>12 Conductor 18 (7x26) Shielded</b>

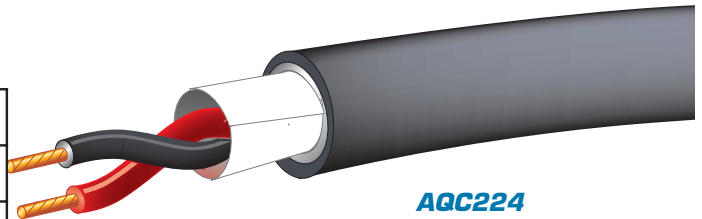


**AQC291**

**Primary Applications:**  
Line Level Audio  
Control  
Access Control

## Aquaseal CM & CL3 Unshielded

<b>AQC224</b>	<b>1 pair 18 (7x26) Unshielded</b>
<b>AQC188</b>	<b>8 Conductor 18 (7x26) Unshielded</b>
<b>AQC225</b>	<b>1 pair 16 (19x29) Unshielded</b>
<b>AQC240</b>	<b>4 Conductor 22 Awg. Solid Unshielded</b>

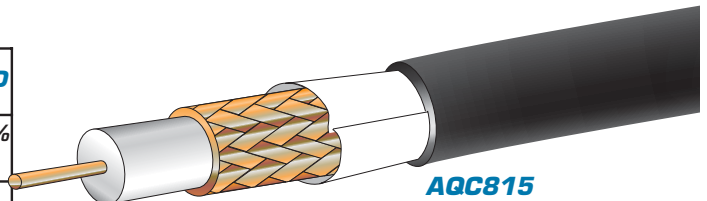


**AQC224**

**Primary Applications:**  
Line Level Audio  
Control  
Access Control

## Aquaseal CM Coaxial Cables

<b>AQC815</b>	<b>RG59/U CCTV 20 AWG. 95% BC BRAID</b>
<b>AQC819</b>	<b>RG59/U DIGITAL VIDEO 20 AWG. 100% AL. FOIL + 95% TC BRAID</b>
<b>AQC806</b>	<b>RG6/U CCTV 18 AWG. 95% BC BRAID</b>
<b>AQC2806</b>	<b>RG6/U CCTV 18 AWG. 95% BC BRAID 1 PAIR 16 AWG - Lickity Split Design</b>
<b>AQC841</b>	<b>RG6/U CATV 18 AWG. FOIL + AL. BRAID</b>



**AQC815**

**Primary Applications:**  
CCTV  
CATV  
Digital Video

**Aquaseal CM & CL3 Individually Shielded**

<b>AQC430</b>	<b>2 pair 22 (7X30) Individually Shielded</b>
<b>AQC439</b>	<b>4 pair 22 (7X30) Individually Shielded</b>
<b>AQC432</b>	<b>6 pair 22 (7X30) Individually Shielded</b>
<b>AQC434</b>	<b>12 pair 22 (7X30) Individually Shielded</b>
<b>AQC420</b>	<b>2 pair 22 Solid Individually Shielded</b>
<b>AQC429</b>	<b>4 pair 22 Solid Individually Shielded</b>
<b>AQC422</b>	<b>6 pair 22 Solid Individually Shielded</b>
<b>AQC424</b>	<b>12 pair 22 Solid Individually Shielded</b>

# Aquaseal Water Resistant Cables

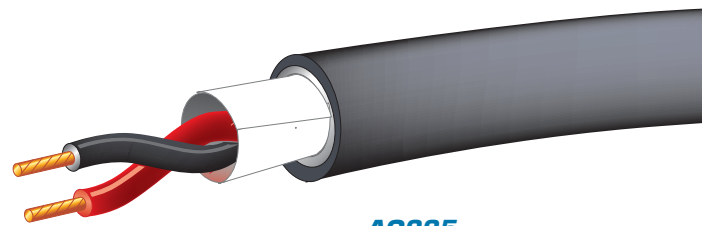


**AQC430**

**Primary Applications:**  
Line Level Audio  
Control and Audio

**Aquaseal FPL or PLTC Unshielded Cables**

<b>AQ224</b>	<b>1 pair 18 Awg. (7x26) Unshielded</b>
<b>AQ244</b>	<b>4 Cond. 18 Awg. (7x26) Unshielded</b>
<b>AQ225</b>	<b>1 pair 16 Awg. (7x24) Unshielded</b>
<b>AQ245</b>	<b>4 Cond. 16 Awg. (7x24) Unshielded</b>
<b>AQ226</b>	<b>1 pair 14 Awg. (19x27) Unshielded</b>
<b>AQ246</b>	<b>4 Cond. 14 Awg. (19x27) Unshielded</b>
<b>AQ227</b>	<b>1 pair 12 Awg. (19x25) Unshielded</b>

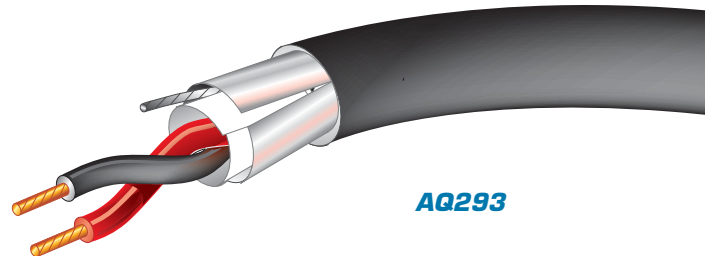


**AQ225**

**Primary Applications:**  
Fire Alarm Systems

**Aquaseal FPL or PLTC Shielded Cables**

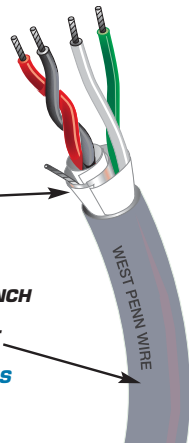
<b>AQ293</b>	<b>1 pair 18 Awg. (7x26) Shielded</b>
<b>AQ3244</b>	<b>4 Cond. 18 Awg. (7x26) Shielded</b>
<b>AQ294</b>	<b>1 pair 16 Awg. (7x24) Shielded</b>
<b>AQ3245</b>	<b>4 Cond. 16 Awg. (7x24) Shielded</b>
<b>AQ295</b>	<b>1 pair 14 Awg. (19x27) Shielded</b>
<b>AQ296</b>	<b>1 pair 12 Awg. (19x25) Shielded</b>



**AQ293**

**Primary Applications:**  
Fire Alarm Systems

# Aquaseal Water Resistant Cables



WEST PENN OFFERS A TWO PLY TAPE ON THE INNER SHIELDED PAIRS.

THE GENERIC VERSIONS DO NOT.

WEST PENN OFFERS A .025 INCH SUNLIGHT RESISTANT & MOISTURE RESISTANT JACKET

THE GENERIC VERSIONS DO NOT.

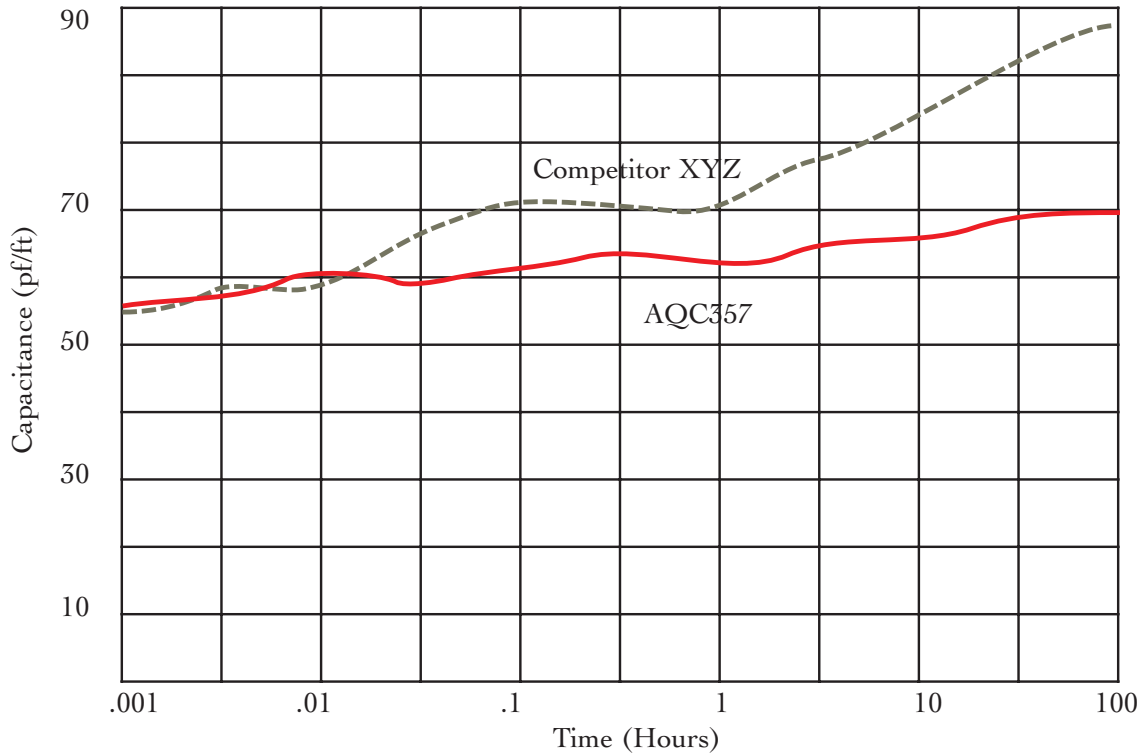
	Aquaseal	Generic Water Block	Aquaseal	Generic Water Block
Product No.	AQC357	XYZ1	AQC359	XYZ2
Construction	2 pair 22 AWG 1 pair shielded, 1 unshielded	2 pair 22 AWG 1 pair shielded, 1 unshielded	2 pair 20 AWG 1 pair shielded, 1 unshielded	3 Conductor 20 AWG 1 pair shld, 1 Cond shld
Conductor Type	22 AWG (7x30) Tinned Copper	22 AWG (7x30) Tinned Copper	20 AWG (7x28) Tinned Copper	20 AWG (7x28) Tinned Copper
Insulation Type & Thickness	PVC .010 (.25 mm)	PVC .010 (.25 mm)	PVC .010 (.25 mm)	PVC .010 (.25 mm)
Inner Water Blocking Tape	Two-Ply Water Swellable Tape	*** None ***	Two-Ply Water Swellable Tape	*** None ***
Shield	Aluminum foil tape with drain wire	Aluminum foil tape with drain wire	Aluminum foil tape with drain wire	Aluminum foil tape with drain wire
Outer Water Blocking Tape	Two-ply Water Swellable Tape	One-ply Water Swellable Tape	Two-ply Water Swellable Tape	One-ply Water Swellable Tape
Jacket Type & Thickness	Sunlight & Moisture Resistant PVC .025 (.635 mm)	Sunlight Resistant PVC .020 (.51 mm)	Sunlight & Moisture Resistant PVC .025 (.635 mm)	Sunlight Resistant PVC .020 (.51 mm)
NEC Rating	CM or CL3	CM or CL3	CM or CL3	CM or CL3

At a quick glance the above cables appear to be similar, however a closer look will show some important differences. The most important difference is the absence of an inner water blocking tape on the generic cable. This deficiency will allow water to migrate thru the center of the cable causing electrical failure and deterioration of the cable. The lack of an inner water blocking tape will adversely affect electrical characteristics and this will only become more severe in a wet location. The last concern is the thickness of the outer jacket, at a .020 inch thickness it may not pass a sunlight resistant test.

## Comparison Graph- capacitance pf/ft.

AQC357 to Competitor XYZ

XYZ           -----  
AQC357       —————



Other Finds:	AQC357	XYZ
Swelling Height: 1 Min.	10mm	5mm
Swelling Height: 10 Min.	12mm	10mm