

**Aquaseal® Special Application Cable** Shielded Construction

**Description:**

- ASTM tinned copper
- PVC insulation
- Short overall twist length (six twists per foot)
- One pair overall shielded 100% coverage of aluminum polyester foil with TC drain wire
- Waterblocked construction
- Overall 105° C sunlight and moisture resistant PVC jacket



**Rating:**

- UL Listed NEC Type CM or CL3
- Constructed in accordance with UL Standard 444 and 13
- Complies with UL 1581 Vertical Tray Flame Test
- Temperature Range: -20° C to 75° C dry locations
- Meets 300 volt requirement as specified in Section 800-51 of the NEC

**Applications:**

Materials suitable for outdoor use, indoor trays, and non-conduit per NEC allows a variety of uses for:

- Intercom and Security
- Sound and Audio
- Background Music
- Power - Limited Control Circuits

**Color Code:**

Conductors: (Shielded) Black/Red  
**JACKET:** Gray

**SPECIAL NOTES:**

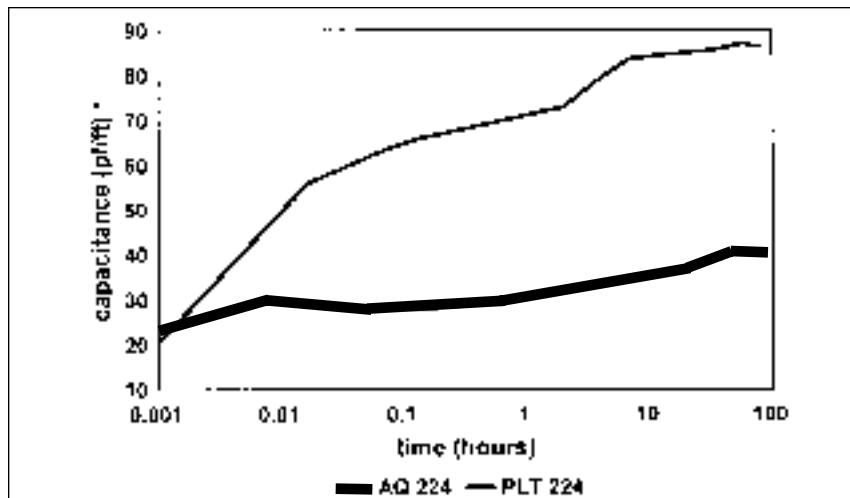
- Orange ripcord under jacket

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Electrical Characteristics (Calculated Quantities)	
Capacitance @ 1 KHZ	68 pf/ft*
	223 pf/M*
	122 pf/ft**
	400 pf/M**
Conductor DCR (Resistance) @ 20° C	6.2 Ω per 1000 ft.

\*Capacitance between conductors.  
 \*\*Capacitance between one conductor and the others connected to the shield.

Mechanical Characteristics	
Number of Pairs	1
AWG Size	18
Stranding	(7 x 26)
Nom. Insulation Thickness	.010 .25 mm
Nom. Jacket Thickness	.025 (.64 mm)
Nom. O.D.	.235 (5.97 mm)
Drain Wire Size	20 (7 x 28)



\*capacitance between conductors

The above results were achieved by completely submersing a ten foot sample of each cable in water at room temperature. In order to depict a "worst case" installation scenario and provide the opportunity for maximum water penetration, each cable had a 1/2 inch x 1/4 inch section of the jacket removed at 1 foot intervals.