

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

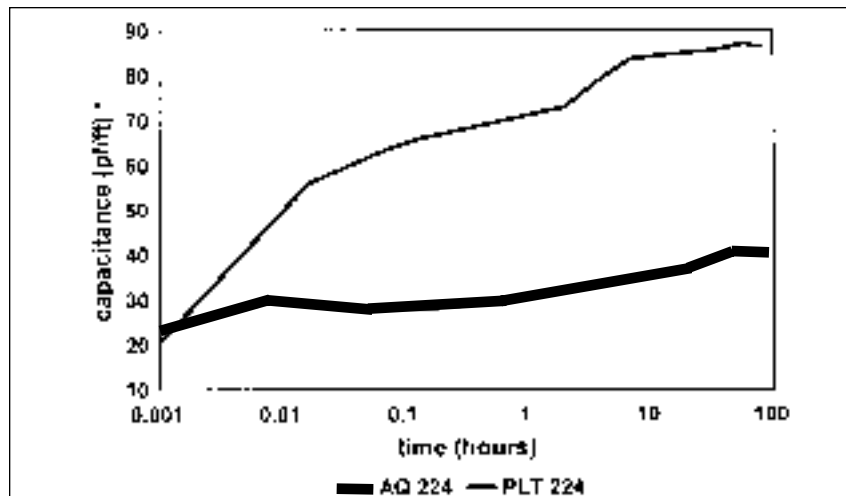
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Electrical Characteristics (Calculated Quantities)	
Capacitance @ 1 KHZ	55 pf/ft*
	180 pf/M*
	99 pf/ft**
	325 pf/M**
Conductor DCR (Resistance) @ 20° C	17 Ω per 1000 ft.

*Capacitance between conductors.

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

Mechanical Characteristics	
Number of Pairs	1
AWG Size	22
Stranding	(7 x 30)
Nom. Insulation Thickness	.010 .25 mm
Nom. Jacket Thickness	.025 (.64 mm)
Nom. O.D.	.205 (5.21 mm)
Drain Wire Size	24 (7 x 32)



*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.