

## Technical Data Sheet

### Aquaseal® Communication Cables



# WEST PENN WIRE

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<b>PART NUMBER:</b>	<b>AQC424</b>
<b>DESCRIPTION:</b>	12 Pair 22Awg. Solid bare copper conductors, individually shielded with an Aquaseal tape and overall jacket.
<b>NEC RATING:</b>	CM or CL3, NEC Article 800 and 725
<b>APPROVALS:</b>	(UL) C(UL) Listed, (ETL)us Listed
<b>APPLICATION:</b>	Materials suitable for outdoor use, and indoor trays, allows a variety of uses for (Intercom, Security, Sound, Audio, Background music)

### Construction Parameters:

Conductor	22 AWG Bare Copper
Stranding	7x30
Insulation Material	PVC
Insulation Thickness	0.010" Nom.
Number of Conductors	24 (12 Pair)
Shield	100% Aluminum Polyester Foil
Drain	Stranded Drain Wire
Water-Blocking Tape	2 ply water swellable each pair
	Overall 2 Ply water swellable tape
Jacket Material	Sunlight/Moisture Resistance PVC
Jacket Thickness	0.025" Nom.
Overall Cable Diameter	0.675" Nom.
Approximate Cable Weight	125 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	55 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	99 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	17.5 Ohms/1M' Nom.
Insulation Colors	Black/Red-Red, Black/White-White, Black/Green-Green, Black/Blue-Blue, Black/Yellow-Yellow, Black/Brown-Brown, Black/Orange-Orange, Red/White-White, Red/Green-Green, Red/Blue-Blue, Red/Yellow-Yellow, Red/Brown-Brown
Jacket Color	Gray
RoHS Compliant	--
TIA455-82B Water Infiltration Test Compliant	Yes
UL 444 & 13 Compliant	Yes

### Mechanical Properties:

Max. Recommended Pull Tension	128 lbs.
Min. Bend Radius (Install)	6.9"

Specification Issue Date: 7/06

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