

Technical Data Sheet

Aquaseal® Communication Cables



WEST PENN WIRE

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PART NUMBER:	AQC429
DESCRIPTION:	4 Pair 22Awg. Solid bare copper conductors, individually shielded with an Aquaseal tape and overall jacket.
NEC RATING:	CM or CL3, NEC Article 800 and 725
APPROVALS:	(UL) C(UL) Listed, (ETL)us Listed
APPLICATION:	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	8 (4 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	0.425" Nom.
Approximate Cable Weight	51 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
Jacket Color	Gray
RoHS Compliant	--
TIA455-82B Water Infiltration Test Compliant	Yes
UL 444 & 13 Compliant	Yes

Mechanical Properties:

Max. Recommended Pull Tension	82 lbs.
Min. Bend Radius (Install)	4.2"

Specification Issue Date: 7/06

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