

Technical Data Sheet

Aquaseal® Communication Cables



WEST PENN WIRE

2833 West Chestnut Street
 Washington, PA 15301
 Toll Free: (800) 245-4964
 Fax: (724) 222-6420
 www.westpenn-wpw.com



PART NUMBER:	AQC434
DESCRIPTION:	12 Pair 22Awg. Stranded 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	24 (12 Pair)
Shield	100% Aluminum Polyester Foil
Drain	Stranded Bare Copper
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	0.698" Nom.
Approximate Cable Weight	128 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 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

This document is the property of West Penn Wire. The information contained herein is considered Proprietary and not to be reproduced by any means Without written consent of West Penn Wire

Standard Lengths are 1000ft.
 The Jacket is sequentially footmarked.
 The information presented here is, to the best of our knowledge, is true and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. We disclaim all liability in connection with the use of information contained herein or otherwise.

