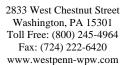
Technical Data Sheet Aquaseal ® Fire-Alarm Cables







PART NUMBER: AQ224

DESCRIPTION: 18/2 Stranded bare copper conductors, overall unshielded with Aquaseal tape and overall jacket.

NEC RATING: FPL – PLTC, NEC Article 760 And 725

APPROVALS: (UL) or (ETL)us Listed – **Direct Burial**

APPLICATION: Materials suitable for outdoor use (direct burial), and indoor trays, allows a variety of uses for (Low

voltage industrial process control circuits, Power-Limited circuits, Power-Limited fire alarm circuits,

Power-Limited tray cable PLTC)

Construction Parameters:

Conductor 18 AWG Bare Copper

Stranding 7x26

Insulation Material PVC with Nylon Insulation Thickness PVC 0.015" Nom. Nylon .005" Nom.

Number of Conductors 2 (1 Pair)
Shield None
Drain None

Water-Blocking Tape 2 Ply water swellable tape
Jacket Material Sunlight/ Moisture Resistant PVC

Jacket Thickness 0.040° Nom.Overall Cable Diameter 0.270° Nom.Approximate Cable Weight59 Lbs/1M' Nom.Flame RatingUL 1685 Vertical Tray

Electrical & Environmental Properties:

Temperature Rating -20deg C to 60deg C
Operating Voltage 300 V RMS

Operating Voltage 300 V RMS

Max.Capacitance Between Conductors @ 1 KHz 25 pf/ft Nom.

DC Resistance per Conductor @ 20deg C 6.2 Ohms/1M' Nom.

DC Resistance per Conductor @ 20deg C 6.2 Ohms/IM Nom.
Insulation Colors Black, Red, Brown, Blue
Jacket Color Black

RoHS Compliant -TIA455-82B Water Infiltration Test Compliant Yes
UL 444 & 13 Compliant Yes

Mechanical Properties:

Max. Recommended Pull Tension 84 lbs.

Min. Bend Radius (Install) 2.7"

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.