

Technical Data Sheet

Aquaseal® Fire-Alarm 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: | AQ224 |
| DESCRIPTION: | 18/2 Stranded bare copper conductors, overall unshielded with Aquaseal tape and overall jacket. |
| NEC RATING: | FPL – PLTC, CL3 NEC Article 760 And 725 |
| APPROVALS: | (UL) or (ETL)us Listed |
| APPLICATION: | Materials suitable for outdoor use, 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 Weight | 59 Lbs/1M' Nom. |
| Flame Rating | UL 1685 Vertical Tray |

Electrical & Environmental Properties:

| | |
|--|---------------------|
| Temperature Rating | -20deg C to 90deg C |
| 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. |
| Insulation Colors | Black, Red |
| 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.