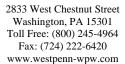
Technical Data Sheet Aquaseal® Fire-Alarm Cables







PART NUMBER: AQ296

DESCRIPTION: 12/2 Stranded bare copper conductors, overall shield 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 12 AWG Bare Copper

Stranding 19x25

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

Number of Conductors 2 (1 Pair)

Shield100% Aluminum Polyester FoilDrainStranded Tinned CopperWater-Blocking Tape2 Ply water swellable tape

Jacket Material

Jacket Thickness

2 Ply water swellable tape

Sunlight/ Moisture Resistant PVC

0.040" Nom.

Overall Cable Diameter 0.375" Nom.

Approximate Cable Weight 89 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 54 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz 97 pf/ft Nom.

DC Resistance per Conductor @ 20deg C 1.7 Ohms/1M' Nom.

Insulation Colors

Black, Red
Jacket Color

RoHS Compliant

TIA455-82B Water Infiltration Test Compliant

Yes

TIA455-82B Water Infiltration Test Compliant

Yes
UL 444 & 13 Compliant

Yes

Mechanical Properties:

Max. Recommended Pull Tension 161 lbs.
Min. Bend Radius (Install) 3.7"

Specification Issue Date: 7/06

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