

# Technical Data Sheet

## Aquaseal® Communication Cables



**WEST PENN WIRE**

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|                     |                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>PART NUMBER:</b> | <b>AQC291</b>                                                                                                                           |
| <b>DESCRIPTION:</b> | 22/2 Stranded Bare copper conductors, shielded with an Aquaseal tape and overall jacket.                                                |
| <b>NEC RATING:</b>  | CM or CL3, NEC Article 800 and 725                                                                                                      |
| <b>APPROVALS:</b>   | (UL) Listed, (ETL)us Listed                                                                                                             |
| <b>APPLICATION:</b> | 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     | 2 (1 Pair)                       |
| Shield                   | 100% Aluminum Polyester Foil     |
| Drain                    | Stranded Tinned Copper           |
| Water-Blocking Tape      | 2 ply water swellable tape       |
| Jacket Material          | Sunlight/Moisture Resistance PVC |
| Jacket Thickness         | 0.025" Nom.                      |
| Overall Cable Diameter   | 0.205" Nom.                      |
| Approximate Cable Weight | 20 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          |
| Jacket Color                                     | Gray                |
| RoHS Compliant                                   | --                  |
| TIA455-82B Water Infiltration Test Compliant     | Yes                 |
| UL 444 & 13 Compliant                            | Yes                 |

### Mechanical Properties:

|                               |         |
|-------------------------------|---------|
| Max. Recommended Pull Tension | 33 lbs. |
| Min. Bend Radius (Install)    | 2"      |

Specification Issue Date: 7/06

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