

# Technical Data Sheet

## Fire Alarm Cables- Addressable

# WEST PENN WIRE



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|---------------------|---|
| <b>PART NUMBER:</b> | <b>D982</b>   |
| <b>DESCRIPTION:</b> | 18/4 Solid bare copper conductors, unshielded with an overall jacket.   |
| <b>NEC RATING:</b>  | FPL, NEC Article 760  |
| <b>APPROVALS:</b>   | (UL) or (ETL)us Listed  |
| <b>APPLICATION:</b> | Indoor data fire alarm cable for (Data Circuits, Initiating Circuits, Notification Circuits, Addressable Systems) |

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### Construction Parameters:

|                          |                                  |
|--------------------------|----------------------------------|
| Conductor                | 18 AWG Bare Copper               |
| Stranding                | Solid                            |
| Insulation Material      | Copolene                         |
| Insulation Thickness     | 0.015" Nom.                      |
| Number of Conductors     | 4                                |
| Shield                   | None                             |
| Drain                    | None                             |
| Jacket Material          | PVC                              |
| Jacket Thickness         | 0.030" Nom.                      |
| Overall Cable Diameter   | 0.230" Nom.                      |
| Approximate Cable Weight | 36 Lbs/1M' Nom.                  |
| Flame Rating             | UL 1685 Vertical Tray Flame Test |

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### Electrical & Environmental Properties:

|  |                         |
|--|-------------------------|
| Temperature Rating                         | -20deg C to 60deg C     |
| Operating Voltage                          | 300 V RMS               |
| Max.Capacitance Between Conductors @ 1 KHz | 16 pf/ft Nom.           |
| DC Resistance per Conductor @ 20deg C      | 6.5 Ohms/1M' Nom.       |
| Velocity of Propagation                    | 71% Nom.                |
| Insulation Colors                          | Black, Red, Brown, Blue |
| Jacket Color                               | Red                     |
| RoHS Compliant                             | --                      |

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### Mechanical Properties:

|                               |         |
|-------------------------------|---------|
| Max. Recommended Pull Tension | 76 lbs. |
| Min. Bend Radius (Install)    | 2.3"    |

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