

Technical Data Sheet

Fire Alarm Cables

WEST PENN WIRE



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| | |
|---------------------|---|
| PART NUMBER: | D991 |
| DESCRIPTION: | 16/2 Solid bare copper conductors, shielded with an overall jacket. |
| NEC RATING: | FPLR, NEC Article 760 |
| APPROVALS: | (UL) Listed |
| APPLICATION: | Indoor data fire alarm cable for (Data Circuits, Initiating Circuits, Notification Circuits, Addressable Systems) |

Construction Parameters:

| | |
|--------------------------|------------------------------|
| Conductor | 16 AWG Bare Copper |
| Stranding | Solid |
| Insulation Material | Polyolefin |
| Insulation Thickness | 0.015" Nom. |
| Number of Conductors | 2 |
| Shield | 100% Aluminum Polyester Foil |
| Drain | Stranded Tinned Copper |
| Jacket Material | PVC |
| Jacket Thickness | 0.030" Nom. |
| Overall Cable Diameter | 0.226" Nom. |
| Approximate Cable Weight | 33 Lbs/1M' Nom. |
| Flame Rating | UL 1666 Riser Flame Test |

Electrical & Environmental Properties:

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|--|---------------------|
| Temperature Rating | -20deg C to 60deg C |
| Operating Voltage | 300 V RMS |
| Max.Capacitance Between Conductors @ 1 KHz | 30 pf/ft Nom. |
| Capacitance Between Conductors to Shield @ 1 KHz | 54 pf/ft Nom. |
| DC Resistance per Conductor @ 20deg C | 4.1 Ohms/1M' Nom. |
| Velocity of Propagation | 71% Nom. |
| Insulation Colors | Black, Red |
| Jacket Color | Red |
| RoHS Compliant | -- |

Mechanical Properties:

| | |
|-------------------------------|-----------|
| Max. Recommended Pull Tension | 76.4 lbs. |
| Min. Bend Radius (Install) | 2.25" |



Specification Issue Date: 7/06

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