

# Technical Data Sheet

## Data Grade Cables

**WEST PENN WIRE**



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|                     |  |
|---------------------|--|
| <b>PART NUMBER:</b> | <b>D2404</b>   |
| <b>DESCRIPTION:</b> | 4 Pair 24 Awg. Stranded tinned copper conductors, shielded with an overall jacket. |
| <b>NEC RATING:</b>  | CM, NEC Article 800  |
| <b>APPROVALS:</b>   | (UL) or c(ETL)us Listed  |
| <b>APPLICATION:</b> | Indoor data cable for: Control, Signaling, Electronic, Microprocessor Based.       |

### Construction Parameters:

|                          |                              |
|--------------------------|------------------------------|
| Conductor                | 24 AWG Tinned Copper         |
| Stranding                | 7x32                         |
| Insulation Material      | Copolene                     |
| Insulation Thickness     | 0.013" Nom.                  |
| Number of Conductors     | 8 (4 Pair)                   |
| Shield                   | 100% Aluminum Polyester Foil |
| Drain                    | Stranded Tinned Copper       |
| Jacket Material          | PVC                          |
| Jacket Thickness         | 0.030" Nom.                  |
| Overall Cable Diameter   | 0.268" Nom.                  |
| Approximate Cable Weight | 36 Lbs/1M' Nom.              |
| Flame Rating             | UL 1685                      |

### Electrical & Environmental Properties:

|  |   |
|--|---|
| Temperature Rating                               | -20deg C to 60deg C   |
| Operating Voltage                                | 300 V RMS   |
| Max.Capacitance Between Conductors @ 1 KHz       | 14.5 pf/ft Nom.   |
| Capacitance Between Conductors to Shield @ 1 KHz | 26 pf/ft Nom.   |
| DC Resistance per Conductor @ 20deg C            | 26 Ohms/1M' Nom.  |
| Velocity of Propagation                          | 71% Nom.  |
| Impedance  | 100Ω Nom  |
| Insulation Colors                                | 1. Black/Red, 2. Black/White, 3. Black/Green, 4. Black/Blue |
| Jacket Color                                     | Gray  |
| RoHS Compliant                                   | --  |

### Mechanical Properties:

|                               |         |
|-------------------------------|---------|
| Max. Recommended Pull Tension | 73 lbs. |
| Min. Bend Radius (Install)    | 2.6"    |

Connectors: RS-232 – DB9 - CN-MX9F Terminal Blox DB9 Female, CN-MX9M Terminal Blox DB9 Male, CN-MX915H Hood for the Max Blox Terminal Blox Connectors

Specification Issue Date: 4/11

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