

Technical Data Sheet

Plenum Communication Cables

WEST PENN WIRE

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|---------------------|--|
| PART NUMBER: | 25294B |
| DESCRIPTION: | 16/2 Stranded bare copper conductors, shielded with an overall jacket. |
| NEC RATING: | CMP, NEC Article 800 |
| APPROVALS: | (UL) C(UL) Listed or c(ETL)us Listed |
| APPLICATION: | Indoor within ducts, plenums, and other spaces used for environmental air for (Intercom Systems, Security Systems, Sound, Audio, Background Music) |

Construction Parameters:

| | |
|--------------------------|------------------------------|
| Conductor | 16 AWG Bare Copper |
| Stranding | 19x29 |
| Insulation Material | Polymer Alloy |
| Insulation Thickness | 0.010" Nom. |
| Number of Conductors | 2 |
| Shield | 100% Aluminum Polyester Foil |
| Drain | Stranded Tinned Copper |
| Jacket Material | Flexible Plenum |
| Jacket Thickness | 0.015" Nom. |
| Overall Cable Diameter | 0.180" Nom. |
| Approximate Cable Weight | 30 Lbs/1M' Nom. |
| Flame Rating | NFPA 262 Flame Test |

Electrical & Environmental Properties:

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|--|-------------------|
| Temperature Rating | -10°C To +60°C |
| Operating Voltage | 300 V RMS |
| Max.Capacitance Between Conductors @ 1 KHz | 75 pf/ft Nom. |
| Capacitance Between Conductors to Shield @ 1 KHz | 140 pf/ft Nom. |
| DC Resistance per Conductor @ 20deg C | 4.2 Ohms/1M' Nom. |
| Insulation Colors | Black, Red |
| Jacket Color | Gray |
| RoHS Compliant | -- |

Mechanical Properties:

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|-------------------------------|--------|
| Max. Recommended Pull Tension | 69 lbs |
| Min. Bend Radius (Install) | 1.9" |

Specification Issue Date: 7/06

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Cold Environment Precautions: Due to the nature of PVC Compounds to become non-pliable when stored or handled in ambient temperatures of 32 deg. F or less, we recommend the following:

“Prior to installation, condition the cable for at least 24 hours at room temperature to provide the best flex properties for ease of installation.”

Standard Lengths are 1000ft.

The Jacket is sequentially footmarked.

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