



Product # V-1251

18/4 Shielded In-Wall

18 gauge 4 conductor shielded wire for alarm, audio, or control, featuring 16 strand oxygen-free copper (OFC) conductors and ripcord. General Purpose (CL3) fire safety rating for installation in walls and risers (between floors) in residential buildings and in walls in commercial buildings. UL Listed.

<https://www.voltive.com/products/voltive-18-4-shielded-wire>

Standards & Ratings

| | |
|--------------------------|-----------------------|
| Voltage Rating | 300V |
| Temperature Rating | 75°C |
| Materials & Construction | UL 13 |
| Fire Rating | General Purpose (CL3) |
| Flame Test | UL 1685 |
| Testing Laboratory | UL |
| Direct Burial? | No |
| Sunlight Resistant? | No |
| RoHS? | Yes |

Insulation

| | |
|---------------------|--------------------------|
| Colors | Red, Black, White, Green |
| Material | Polyvinyl Chloride (PVC) |
| Average Thickness | 0.37mm ± 0.05mm |
| Minimum Thickness | 0.32mm |
| Outer Diameter | 1.90mm ± 0.10mm |
| Resistance | ≥ 50 megaohms/km |
| Dielectric Strength | 500V AC for 1 minute |

Shielding

| | |
|-------------|-----------------------|
| Material | Aluminum & Mylar foil |
| Drain Wire? | Yes |

Part Numbers

| Part # | Old Part # | Color | Length | Packaging | UPC | Weight | L x W x H (in) | Link |
|----------|------------|-------|--------|-----------|--------------|----------|--------------------|----------------------|
| V-1251-1 | | White | 500ft | Box | 810095240911 | 21.1 lbs | 13.9 x 10.2 x 13.5 | View |

Conductors

| | |
|-----------------|--------------------|
| Gauge | 18AWG |
| Count | 4 |
| Material | Oxygen Free Copper |
| Outer Diameter | 1.15mm |
| Strand Count | 16 |
| Strand Diameter | 0.250mm |
| DC Resistance | ≤ 21.90 ohms/km |

Jacket

| | |
|---------------------|--|
| Available Colors | White |
| Material | Polyvinyl Chloride (PVC) |
| Thickness | 0.52mm ± 0.10mm |
| Minimum Thickness | 0.42mm |
| Outer Diameter | 5.50mm ± 0.30mm |
| Minimum Bend Radius | 20 × diameter (110mm) |
| Ripcord | Cotton |
| Printing | VOLTIVE 18AWG 4C SHIELDED - V-1251 - (UL) CL3 E516774-XX 75C - MM/YY - XXX-XXX - XXX FT USED / XXX FT REMAINING |