



Voltan Speaker Cable
Reliable. Safe. Compliant

TECHNICAL SPECIFICATION

Conductor : Material High Conductivity Copper (HCC) or Oxygen-Free Copper (OFC)

Conductor Gauge : 12 AWG / 14 AWG / 16 AWG / 18 AWG

Number of Conductors : 2 Core (Bi-wire options available)

Insulation Material :Low Smoke Zero Halogen (LSZH), PVC or PE

Jacket Material : LSZH (Low Smoke Zero Halogen) or PVC

Shielding : Unshielded or Shielded (Foil/ Braid)

Capacitance : ≤ 120 pF/m

Impedance : $8\ \Omega$ nominal

Operating Temperature : -30°C to $+80^{\circ}\text{C}$

Voltage Rating : 300 V

Standards Compliance: IEC, RoHS, CE, UL Listed (E486876)

Length Options : Standard Rolls: 100m, 305m

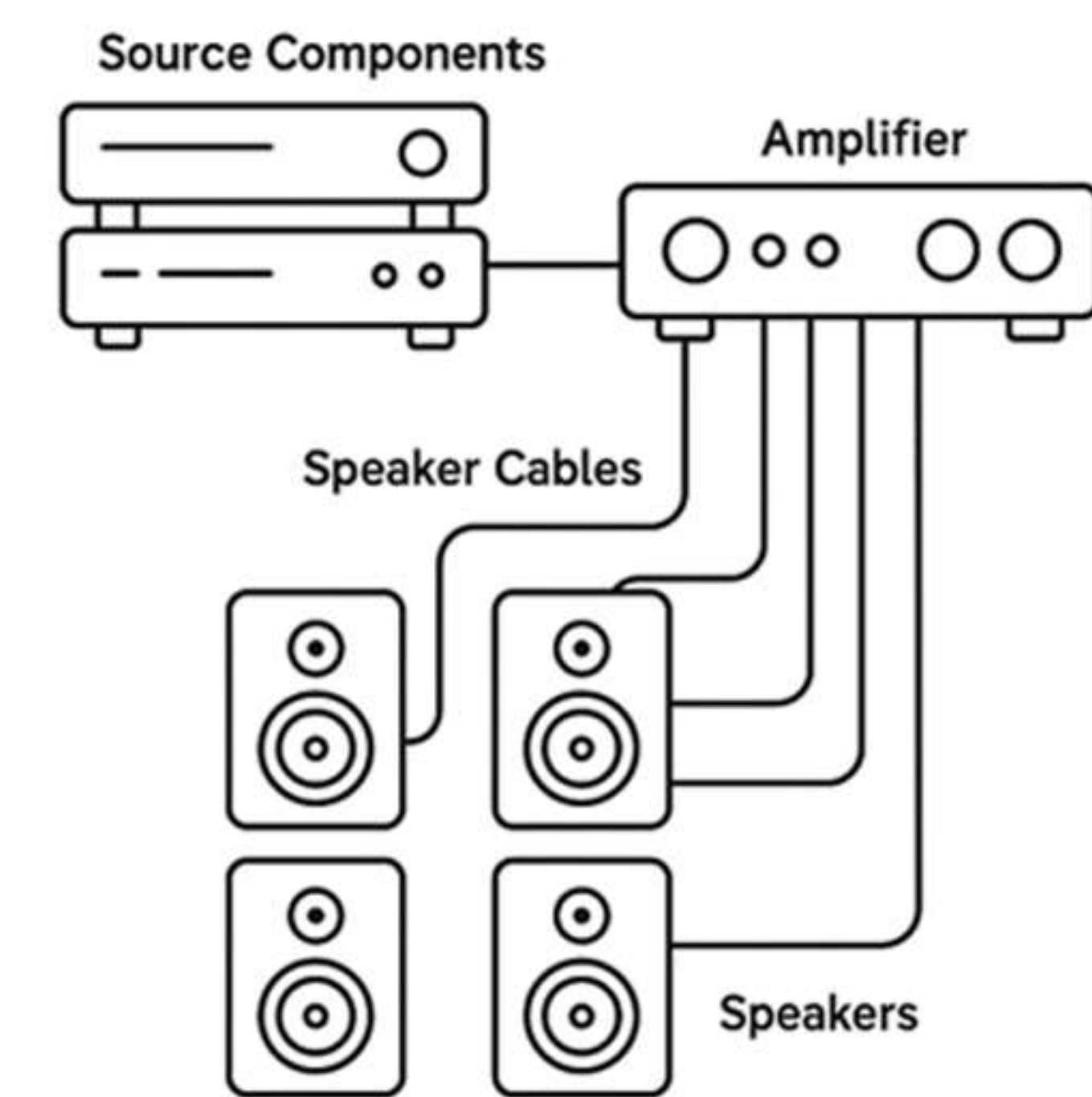
Certifications & Compliance

- IEC, RoHS, CE, UL Listed (E486876)
- ISO 9001 Manufacturing Standards

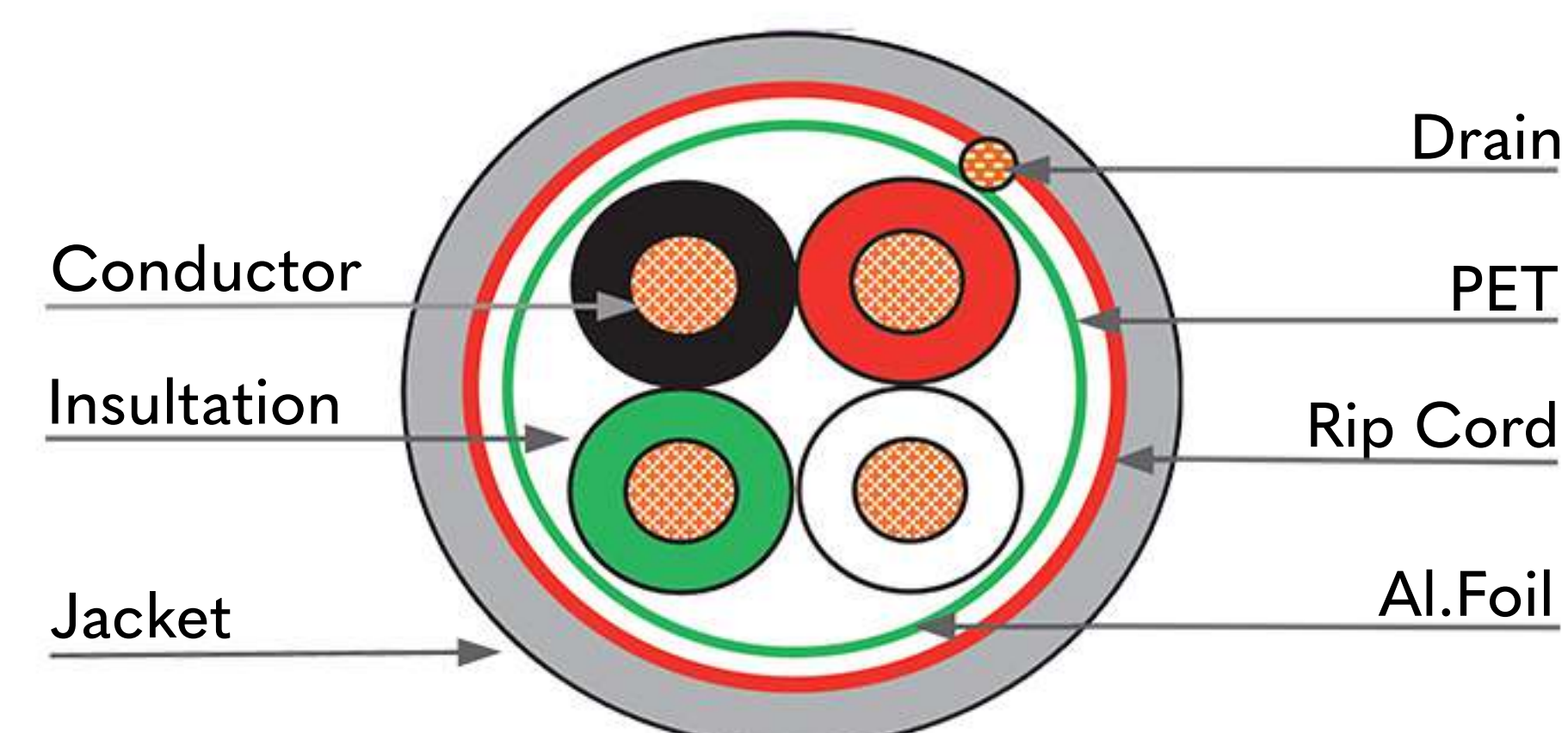


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INSIGHTS



SPEAKER CABLE SYSTEM ARCHITECTURE



At Voltan Technologies, we specialize in premium audio cable solutions engineered for clarity, durability, and seamless system integration. Our cables are designed to meet the high standards of AV professionals, system integrators, and audio enthusiasts, delivering consistent performance across residential, commercial, and industrial environments.

Whether you need shielded solutions for high-interference spaces or cost-effective unshielded wiring for clean installs, Voltan offers cable options that combine technical precision with installation flexibility.



TYPICAL APPLICATIONS

These cables are ideal for a wide range of applications, including public address (PA) systems and multi-zone or background audio setups. They are well-suited for home theaters, media rooms, and both commercial and residential speaker wiring. Additional uses include AV rack interconnects, 70V/100V distributed audio systems, and wiring for control, monitoring, and instrumentation purposes.

PRODUCT FEATURES

- Oxygen-Free Copper (OFC) options available for premium signal clarity
- Advanced Shielding blocks EMI/RFI in critical installations
- Low Capacitance Design for accurate signal transmission over long distances
- Gold-Plated Connectors (available on request) for corrosion-resistant connectivity
- Durable PVC Jackets for rack, wall, or conduit use
- Color-Coded Insulation simplifies installation and troubleshooting

WHY CHOOSE OUR SPEAKER CABLES?

Designed for safety and reliability, these cables are rigorously tested to perform in demanding environments. They offer excellent AV compatibility, integrating smoothly with modern audio-visual and control systems. Installer-friendly features include flexible jackets, color-coded insulation, and easy stripping for quick, hassle-free setup. Available in both standard and custom lengths, these cables can be ordered in spool sizes that meet specific project needs. As a professional-grade solution, they are the preferred choice of system integrators and AV contractors.

COMPLIANCE & QUALITY

These cables are RoHS compliant, ensuring they meet environmental and safety standards. They feature flame-resistant jackets, with FT4-rated options available for enhanced fire protection. Additionally, in-house quality control processes verify conductor integrity, shield coverage, and insulation resistance to ensure consistent performance and reliability.

VOLTAN

Voltan Technology Limited stands as a dedicated leader in the electrical and electronics manufacturing industry, with a strong footprint across diverse sectors. Recognized globally as a specialist in low voltage solutions, we operate from our headquarters in London, UK. Delivering advanced, efficient methodologies to meet the dynamic needs of our clients.

Our comprehensive portfolio includes UPS systems, LAN & Control cables, Network Racks, and IP enclosures. We are proud to support a wide array of industries, including government, hospitality, education, healthcare, utilities, media and entertainment.

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