

LSZH CABLES

Safe, Reliable and Compliant



What is LSZH?

LSZH stands for Low Smoke Zero Halogen. It refers to a type of cable jacket that emits minimal smoke and no toxic halogen gases when exposed to fire.

The key features of LSZH cables:

- ✓ **Low Smoke:** Reduces visibility hazards
- ✓ **Zero Halogen:** Prevents release of toxic, corrosive gases
- ✓ **Safe for people, equipment and data**
- ✓ **Environmentally friendly**

Customer Need	How LSZH Delivers
Protect People and Equipment	By generating minimal smoke without toxic or corrosive gasses, people and critical IT hardware are protected in emergencies.
Meet Safety Regulations	Deploying LSZH ensures your environment meets or exceeds common building, health and safety regulations for public and sensitive environments.
Support Environmental Goals	LSZH minimizes your environmental impact and supports sustainable or green building programs with its environmentally minded design and recyclability.
Ensure Business Continuity	Deploying safety focused LSZH cables limits equipment damage and reduces downtime caused by accidents or damage.

Common LZSH applications



Corporate Offices and High-Rise Buildings



Data Centers and Server Rooms



Healthcare and Critical Infrastructure



Airports, Transit and Industrial

How LSZH compares to other cables



Feature	LSZH Cables	PVC Cables	Plenum (CMP) Cables
Fire Behavior	Very low smoke, no toxic halogen gas release	Higher smoke and toxic halogen gas release	Extremely flame-retardant, limits flame spread, low toxicity
Flexibility	More rigid than PVC	Highly flexible	Between PVC and LSZH
Environmental Impact	Halogen-free, Recyclable	Halogen-based, Difficult to recycle	May contain halogens, Limited recyclability
Ideal Environments	Enclosed spaces, dense cabling zones, public spaces, green buildings	General installs in open spaces with proper ventilation	Air handling spaces: drop ceilings, raised floors
Key Strength	Safer for people or equipment in enclosed or high-occupancy spaces	Cost-effective general purpose	Flame-spread prevention in air circulation pathways

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