# LSZH Control Cable

**LOW SMOKE · HALOGEN FREE**

In a fire, the cable should not add toxic smoke to an already difficult evacuation.

| RATED VOLTAGE | CONDUCTOR | INSULATION | SCREEN |
|---|---|---|---|
| 300/500 V | Plain copper, Class 1/2 | LSZH compound | Optional overall Cu braid / foil |

## TYPICAL APPLICATIONS

- Metro and tunnel projects
- Airports and public buildings
- Hospitals and data centres
- Confined industrial spaces

## CONSTRUCTION

- Plain copper conductors
- LSZH insulation
- Optional overall screen
- LSZH sheath with low smoke emission
- Designed to IEC 60332-1, IEC 60754 and IEC 61034

## TECHNICAL DATA

| | | | |
|---|---|---|---|
| **Rated voltage** | 300/500 V | **Cross-section** | 0.75–6 mm² |
| **Conductor** | Plain copper, Class 1/2 | **Sheath** | LSZH, black / grey |
| **Insulation** | LSZH compound | **Flame retardancy** | IEC 60332-1 |
| **Screen** | Optional overall Cu braid / foil | **Halogen gas** | IEC 60754 |
| **Core range** | 2–61 cores | **Smoke density** | IEC 61034 |

Typical values. The final construction is confirmed on the order datasheet and the released drawing.

## STANDARDS, TESTING AND DOCUMENTS

| | |
|---|---|
| **Routine tests** | Conductor resistance, voltage test and insulation resistance on every length |
| **Type tests** | Type-test reports for each construction, witnessed by a third party on request |
| **Documents with the drum** | Packing list, drum list, routine test certificate, datasheet, CO / FORM A |
| **Traceability** | Drum number marked and recorded against the routine test certificate |

## OTHER CONSTRUCTIONS FROM THE SAME RANGE

| | |
|---|---|
| **Copper Braided Shielded Control Cable** | www.zmscontrolcable.com/products/shielded-control-cables/copper-braided-shielded-cable/ |
| **Armoured Shielded Control Cable** | www.zmscontrolcable.com/products/armoured-control-cables/armoured-shielded-control-cable/ |

## PACKING AND DELIVERY

| | |
|---|---|
| **Drum** | Wooden or steel-framed export drum, 250–500 m per drum by cross-section |
| **Packing** | Sealed ends, protected lugs, desiccant, UV-resistant wrap |
| **Marking** | Drum no., designation, voltage, cross-section, length, gross weight |
| **Lead time** | 15–25 working days for standard builds |
| **Terms** | FOB Qingdao, Tianjin or Shanghai. CIF, CFR and DAP on request |

## HOW TO ORDER

To quote, send the voltage class (U0/U), conductor material and cross-section, screen or armour, sheath, drum length, delivery port and the standard the project specifies. We return a released drawing, the test programme and a drum plan with the quotation.

## SELECTION NOTES

**Is LSZH the same as LSOH?**
Yes, the terms are generally used interchangeably for low-smoke halogen-free cable.

**Does LSZH cable have a lower current rating?**
LSZH compounds can have different thermal properties; the final rating depends on the construction and installation conditions.

**Can you supply screened LSZH cable?**
Yes, copper braid or foil screens can be combined with the LSZH construction.

**Certification.** Environmental management to ISO 14001:2015 and occupational health and safety to ISO 45001:2018, with CE marking under the EU low-voltage and EMC directives. Independent inspection and type testing are carried out through ISO/IEC 17020 and 17025 accredited laboratories. Certificate numbers and validity dates are published at www.zmscontrolcable.com/certificates/.

## Request a quotation for this cable

Send the specification sheet or the cable schedule and we return a released drawing, the test programme and a drum plan with the price.

**Tel +86 371 6782 9333**
WhatsApp +86 173 0383 6349
**info@zmscable.com**
www.zmscontrolcable.com