LSZH LV Cable, 0.6/1kV

LSZH FLAME RETARDANT

0.6/1kV XLPE insulated cable with a halogen-free low-smoke sheath, for routes where smoke density and corrosive gas are part of the fire strategy.

VOLTAGE	SHEATH	SIZE	SMOKE
0.6/1 kV	LSZH	1.5 – 400 mm²	IEC 61034

TECHNICAL DATA

Standard	IEC 60502-1, IEC 60228, BS EN 50575 (CPR on request)	**Smoke density**	IEC 61034-2, transmittance ≥ 60 %
Rated voltage	0.6/1 kV (U0/U)	**Halogen content**	IEC 60754-1 ≤ 0.5 %; IEC 60754-2 pH ≥ 4.3, conductivity ≤ 10 µS/mm
Conductor	Class 1 or Class 2 copper	**Flame propagation**	IEC 60332-1-2; IEC 60332-3-24 Cat. C
Cross-section	1.5 – 400 mm²	**Temperature range**	−15 °C to +90 °C
Insulation	XLPE (90 °C); LSZH compound on smaller sections	**Packing**	Drum, 500 m / 1000 m or project lengths
Sheath	Halogen-free LSZH compound		

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

Fire Resistant LV Power Cable	www.zmslvcable.com/products/fire-resistant-lv-cables/fire-resistant-lv-cable/
0.6/1kV PVC/XLPE Insulated LV Power Cable	www.zmslvcable.com/products/lv-power-cables-0-6-1kv/pvc-xlpe-lv-power-cable/
Shielded LV Power Cable	www.zmslvcable.com/products/lv-power-cables-0-6-1kv/shielded-lv-power-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

Does LSZH mean the cable will not burn?
No. LSZH describes what happens when the cable does burn: limited smoke and no halogenated gas. Flame retardance is a separate property tested to IEC 60332, and circuit integrity under fire requires a fire resistant construction.

Can I use LSZH cable outdoors?
Only with a UV-stabilised black compound. Standard indoor LSZH grades degrade under sunlight, and the sheath is not formulated for permanent wet contact.

Is there a price difference against PVC?
Yes, typically 20–40 % for the same construction. The premium is justified where the fire strategy, insurer or client specification requires halogen-free cable.

Can you provide a CPR declaration?
Yes, for European projects we can supply cables tested to BS EN 50575 with a declared Euroclass and declaration of performance.

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.zmslvcable.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.zmslvcable.com