

LSZH Cable

LSZH cable for low-smoke and halogen-free project requirements

LSZH Cable is prepared for preliminary product selection and quotation review. This product is used where low smoke and halogen-free sheath performance is required for building, transport or infrastructure electrical systems.



VOLTAGE

0.6/1kV

CONDUCTOR

Copper conductor route,
confirmed by technical table

TYPICAL USE

Public buildings

STANDARDS

IEC 60332-1; IEC 60332-3;
IEC 60754-1/2; IEC
61034-1/2

DATA SCOPE

1 technical table(s) included
for preliminary selection

SELECTION NOTE

Confirm special performance,
voltage, conductor, standard
and installation condition.

For quotation review, provide cable type, standard, size, quantity and project destination.

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Application & Selection Summary

Typical applications

- Public buildings
- transport facilities
- tunnels
- data centers
- indoor electrical systems requiring low-smoke halogen-free cable selection.

Selection logic

- Confirm voltage, conductor size, LSZH material requirement, flame performance, installation route and applicable standard.

Construction Overview

Item	Website-ready content
Product route	Conductor with insulation and LSZH outer sheath according to the selected cable type and standard.
Voltage	0.6/1kV
Conductor	Copper conductor route, confirmed by technical table
Standards	IEC 60332-1; IEC 60332-3; IEC 60754-1/2; IEC 61034-1/2
Confirmation	Final structure, dimensions and packing should follow selected standard, quotation review and order specification.

Readable Data Index

Data route	Size / rating range	Construction	Diameter / OD	Resistance / weight / rating
LSZH Cable - Technical Table 1	4 x 1.5 - 4 x 50	See table	See table	12.1 - 0.387

Data boundary: these tables support website launch, quotation review and preliminary product selection. For project execution, final dimensions, electrical performance, packing and compliance documents should be confirmed against the selected project standard and order specification.

LSZH Cable - Technical Table 1

Reference table for preliminary selection and quotation review.

Size (mm ²)	Approx. OD (mm)	Approx. Weight (kg/km)	Current Rating @ 30°C (A)	Max. Resistance (W/km)
4 x 1.5	11.2	190	23	12.1
4 x 2.5	12.5	245	31	7.41
4 x 4	13.8	330	42	4.61
4 x 6	15.2	420	54	3.08
4 x 10	17.5	640	75	1.83
4 x 16	19.8	910	100	1.15
4 x 25	24.2	1420	135	0.727
4 x 35	27.5	1850	165	0.524
4 x 50	31.5	2450	205	0.387