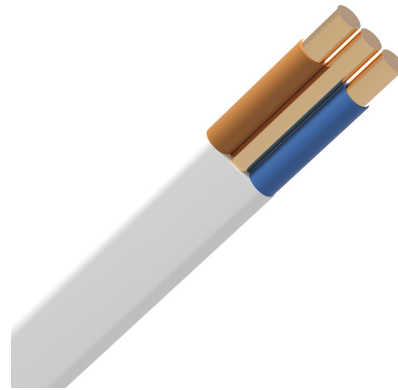


LSZH Cable BS 7211

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

LSZH Cable BS 7211 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

450/750V

CONDUCTOR

Confirmed by product standard and project requirement

TYPICAL USE

Public buildings

STANDARDS

BS 7211; EN 50525-3-41; BS EN 61034-2; BS EN 60754-1/2

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	450/750V
Conductor	Confirmed by product standard and project requirement
Standards	BS 7211; EN 50525-3-41; BS EN 61034-2; BS EN 60754-1/2
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 BS 7211 - Technical Table 1	1.5 - 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 BS 7211 - Technical Table 1

Reference table for preliminary selection and quotation review.

Nom. Area (mm²)	Conductor Class	Approx. OD (mm)	Approx. Weight (kg/km)	Max. Resistance (Ω/km)
1.5	Class 2 (Stranded)	3.0	20	12.1
2.5	Class 2 (Stranded)	3.6	31	7.41
4.0	Class 2 (Stranded)	4.1	46	4.61
6.0	Class 2 (Stranded)	4.7	65	3.08
10	Class 2 (Stranded)	6.0	110	1.83
16	Class 2 (Stranded)	7.2	165	1.15
25	Class 2 (Stranded)	8.8	260	0.727
35	Class 2 (Stranded)	10.2	350	0.524
50	Class 2 (Stranded)	11.8	480	0.387