

LSZH / Fire Resistant Building Wire

Building wire for electrical systems and service entrance wiring

LSZH / Fire Resistant Building Wire is prepared for preliminary product selection and quotation review. This product is used for building electrical systems where conductor material, insulation rating, flame performance and local wiring rules determine product selection.



VOLTAGE

450/750V, 600/1000V

CONDUCTOR

Confirmed by product standard and project requirement

TYPICAL USE

Residential and commercial wiring

STANDARDS

IEC 60331; IEC 60332; BS 7211; IEC 61034; additional project standards

DATA SCOPE

1 technical table(s) included for preliminary selection

SELECTION NOTE

Confirm conductor, insulation type, voltage rating, size and local wiring rule.

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

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Application & Selection Summary

Typical applications

- Residential and commercial wiring
- panel feeders
- branch circuits
- service entrance wiring
- conduit, tray or building electrical installation routes.

Selection logic

- Confirm conductor material, voltage rating, insulation type, installation method and applicable UL, IEC or local wiring standard before selection.

Construction Overview

Item	Website-ready content
Product route	Copper or aluminum conductor with thermoplastic or cross-linked insulation according to the selected building wire type and standard.
Voltage	450/750V, 600/1000V
Conductor	Confirmed by product standard and project requirement
Standards	IEC 60331; IEC 60332; BS 7211; IEC 61034; IEC 60754-1
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
Fire Resistant Stranded Copper (Mica + LSZH) - 450/750V	1.5 - 50	7 / 0.52 - 19 / 1.83	3.3 - 13.2	25 - 550

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.

Fire Resistant Stranded Copper (Mica + LSZH) - 450/750V

Reference table for preliminary selection and quotation review.

Nominal Area (mm²)	No. / Dia. of Wires (mm)	Insulation Thick. (mm)	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)	Current Rating in Conduit (Amps)
Fire Resistant Stranded Copper (Mica + LSZH) - 450/750V					
1.5	7 / 0.52	0.7	3.3	25	17.5
2.5	7 / 0.67	0.8	4.0	38	24
4	7 / 0.85	0.8	4.6	55	32
6	7 / 1.04	0.8	5.2	78	41
10	7 / 1.35	1.0	6.7	130	57
16	7 / 1.70	1.0	8.0	195	76
25	7 / 2.14	1.2	10.0	305	101
35	19 / 1.53	1.2	11.2	410	125
50	19 / 1.83	1.4	13.2	550	151