



### FLEXIBLE HALOGEN-FREE SINGLE CORE WIRE

EN 50525-3-41

15 orderable sizes

STANDARD <b>EN 50525-3-41</b>	VOLTAGE CLASS <b>450/750 V</b>	CONDUCTOR <b>Class 5 flexible copper conductor</b>
INSULATION / JACKET <b>LSZH insulation only</b>		

### Construction

- 1** ■ **Conductor** – Copper conductor · 1221 × Ø0.5 mm · IEC 60228 cl.5
- 2** ■ **Insulation** – Cross-linked LSZH compound

### Size selection — all available cross-sections

Cable reference	Voltage class	Cable use	Core / pair design	Conductor size	Max DC resistance at 20 °C	Fire behavior	OD guide
H07Z-K LSZH building wire 450/750 V Building wire 1 core 1.5 mm <sup>2</sup>	450/750 V	Building wire	1 core	1.5 mm <sup>2</sup>	12.1 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	7 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 2.5 mm <sup>2</sup>	450/750 V	Building wire	1 core	2.5 mm <sup>2</sup>	7.41 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	8 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 4 mm <sup>2</sup>	450/750 V	Building wire	1 core	4 mm <sup>2</sup>	4.61 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	9 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 6 mm <sup>2</sup>	450/750 V	Building wire	1 core	6 mm <sup>2</sup>	3.08 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	10 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 10 mm <sup>2</sup>	450/750 V	Building wire	1 core	10 mm <sup>2</sup>	1.83 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	11 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 16 mm <sup>2</sup>	450/750 V	Building wire	1 core	16 mm <sup>2</sup>	1.15 Ω/km	Low smoke, zero halogen, flame	13 mm

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						retardant single-core wire	
H07Z-K LSZH building wire 450/750 V Building wire 1 core 25 mm <sup>2</sup>	450/750 V	Building wire	1 core	25 mm <sup>2</sup>	0.727 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	15 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 35 mm <sup>2</sup>	450/750 V	Building wire	1 core	35 mm <sup>2</sup>	0.524 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	17 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 50 mm <sup>2</sup>	450/750 V	Building wire	1 core	50 mm <sup>2</sup>	0.387 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	19 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 70 mm <sup>2</sup>	450/750 V	Building wire	1 core	70 mm <sup>2</sup>	0.268 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	22 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 95 mm <sup>2</sup>	450/750 V	Building wire	1 core	95 mm <sup>2</sup>	0.193 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	25 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 120 mm <sup>2</sup>	450/750 V	Building wire	1 core	120 mm <sup>2</sup>	0.153 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	27 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 150 mm <sup>2</sup>	450/750 V	Building wire	1 core	150 mm <sup>2</sup>	0.124 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	30 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 185 mm <sup>2</sup>	450/750 V	Building wire	1 core	185 mm <sup>2</sup>	0.0991 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	33 mm
H07Z-K LSZH building wire 450/750 V Building wire 1 core 240 mm <sup>2</sup>	450/750 V	Building wire	1 core	240 mm <sup>2</sup>	0.0754 Ω/km	Low smoke, zero halogen, flame retardant single-core wire	36 mm