

H07Z-U Installation Wire-LSZH Cable

1. Product Overview

H07Z-U is a solid-conductor, halogen-free, single-core installation wire designed for long-term fixed power distribution. Featuring a Class 1 solid copper conductor, this cable provides maximum structural rigidity and electrical stability. It is the cost-effective choice for fixed installations within conduits and cable trunks in environments requiring strict fire safety compliance.

2. Technical Specifications

Feature	Specification
Cable Type	H07Z-U (Single-Core Wire)
Standard	DIN VDE 0285-525-3-1
Voltage Rating	450 / 750V
Conductor	Solid Annealed Copper (Class 1)
Insulation	LSZH (Low Smoke Zero Halogen) Compound
Fire Performance	IEC 60332-1-2 (Flame Retardant)
Halogen-Free	IEC 60754-1/2
Smoke Density	IEC 61034-2
Max. Operating Temp.	+90°C
Installation Temp.	-5°C to +70°C
Bending Radius	Fixed installation: 6 x Outer Diameter

3. Recommended Applications

- Fixed, permanent installation in conduits or trunking
- Power distribution in residential and commercial buildings
- Public facilities where halogen-free standards are strictly enforced
- Cost-effective internal power circuits for fixed infrastructure
- Lighting and power supply lines in stable, non-vibration environments

4. Professional Support

Heron Cable offers high-quality manufacturing, factory-direct pricing, and technical support for large-scale export projects.

5.Specification Details:

Nominal cross section Area [mm ²]	Nominal Stranding of conductor [mm]	Nominal thickness insulation [mm]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20°C [Ohm/km]
1.5	1/1.38	0.8	3	22	13.3
2.5	7/1.78	0.8	3.7	33	7.98
4	1/2.25	0.9	4.2	48	4.95
6	7/1.05	0.9	4.8	68	3.3
10	7/1.35	1	6.3	120	1.91
16	7/1.7	1	6.9	175	1.21
25	7/2.1	1.2	8.4	260	0.78
35	19/1.5	1.2	9.5	350	0.554
50	19/1.78	1.4	11.2	475	0.386