

Price of low-voltage wires for distribution boxes



Article Overview

Wire prices vary by type, gauge, and application, with low-voltage wiring typically costing \$0.10–\$1 per foot and distribution box wiring ranging from \$0.50–\$3 per foot.

Low-Voltage Wiring

Low-voltage wiring is used for systems operating at 12 V, 24 V, or 48 V, such as security cameras, thermostats, doorbells, lighting controls, and home networks . Common types include:

- Twisted-pair cables (Cat5e, Cat6, Cat6A) for data and communication
- Coaxial cables for TV and antenna distribution
- Power-limited cables for Class 1, 2, or 3 circuits Typical costs:
- Cat5e/Cat6: \$0.10–\$0.50 per foot
- Coaxial RG6: \$0.20–\$0.60 per foot
- Low-voltage power cables: \$0.30–\$1 per foot depending on gauge and insulation

Distribution Box Wiring

Wires for high-voltage distribution boxes (120–240 V or higher) are designed to carry more current safely and comply with NEC standards. Common types include:

- THHN/THWN copper wires for general power distribution
- Aluminum conductors for larger feeders

Article Content

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