

Field (agricultural) direct buried cable

• Introduction

Single core; copper or aluminum or aluminum alloy conductor; polyethylene or cross-linked polyethylene or polyvinyl chloride insulation; polyethylene or aluminum-polyethylene bonded sheath. Suitable for outdoor direct burial, connecting fixed distribution lines and electrical equipment with AC rated voltage of 0.6/1kV and below. For example: temporary power supply for various buildings, farmland power facilities, etc.

• Model

NY, NYLY, NYLHY, NYJY, NYJLY, NYJLHY, NVY, NVLY, NVLHY, NYJA, NYA, NVAwait.

• Application Areas

Farm power, water pumps, motors

Outdoor power, rural grids

Farm power, agricultural machinery

Anti-interference for sensitive environments

Rugged terrain, weather-resistant cables

• Parameters

Rated voltage	0.6/1kV	Conductor material	Oxygen-free copper conductor or aluminum conductor, multi-strand twisted structure
Insulation Materials	Cross-linked polyethylene (XLPE) or polyvinyl chloride (PVC)	Insulation thickness	According to the specification, usually 1.0 mm ~ 2.0 mm
Sheath material	PVC or HDPE for improved mechanical resistance	Sheath thickness	1.5 mm ~ 3.5 mm
Protective layer	Optional steel or copper tape for enhanced pressure resistance and protection	Core number range	Single-core, dual-core, triple-core, quad-core and multi-core designs
Operating temperature	-40°C ~ +70°C	Minimum bending radius	Unarmored: 12 times of the cable outer diameter; Armored cable: 15 times of the cable outer diameter
Waterproof	The sheath material has excellent waterproof performance and is suitable for humid or rain-corroded environments	Compression performance	Able to withstand soil pressure and mechanical shock in outdoor direct burial environments
Fire performance	Flame retardant performance meets the requirements of GB/T 18380.3	Service life	More than 30 years, suitable for long-term underground use

• Features

Excellent environmental resistance

- HDPE sheath, waterproof, corrosion-resistant
- Insulation layer prevents moisture, ensures stable operation.

Strong mechanical resistance

- Steel tape armor, impact-resistant.
- Sturdy structure, impact-resistant.

Reliable electrical performance

- High conductivity, low loss.
- Flame retardant, improved safety.

Environmental protection and safety

- Halogen-free, low-smoke, eco-friendly.

Long life design

- Durable, low-maintenance, cost-effective.

The cable should be packed in a wooden or steel reel to prevent moisture and shock. Avoid moisture, pressure or damage during transportation and ensure it is firmly fixed. Store in a dry and ventilated environment with a temperature of 5°C to 30°C and a humidity of less than 85%.

