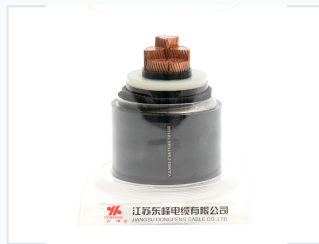


LV/MV/HV Copper/Aluminum XLPE/PVC Insulated Power Cable

These power cables are insulated with XLPE/PVC. They are made with copper or aluminum conductors and designed for low, medium, and high voltage applications.



ADDITIONAL IMAGES



Overview

High-Performance Power Transmission

These power cables are engineered for reliable energy transmission across low, medium, and high voltage applications, ranging from 1kV up to 30kV. Manufactured in strict accordance with IEC60502 standards, they feature robust XLPE insulation and versatile conductor options to ensure optimal electrical performance. Designed for durability, these cables are available in various configurations, including armored and unarmored versions, suitable for demanding underground and overhead installations.

Technical Specifications

Voltage Rating	1kV (Um 1.2kV) to 30kV (Um 36kV)
Conductor Material	Copper, Aluminum
Conductor Type	Class 2 compacted circular or circular standard
Insulation Material	Extruded Cross-Linked Polyethylene (XLPE)
Outer Sheath Material	PVC (ST2), Black; options for PE or Fire Retardant available

Construction Features



Construction profile of armored power cable configurations (SWA/DTA).



Construction profile of unarmored single and three-core power cables.

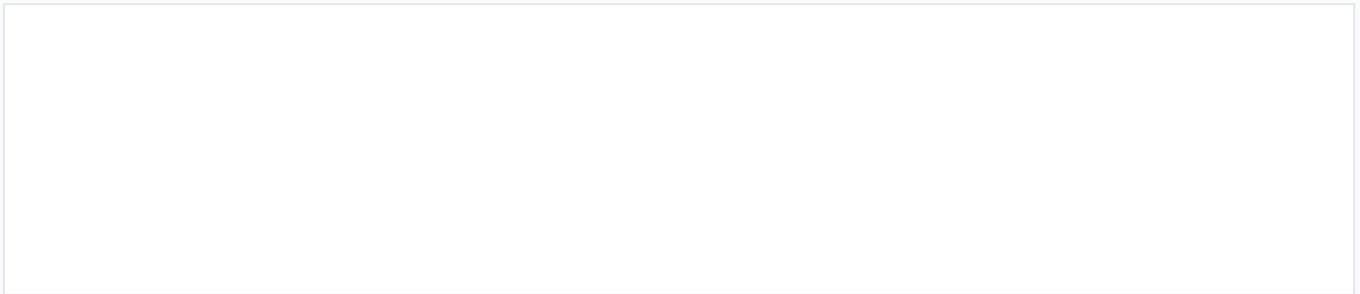
Armor Options

- Galvanized Steel Wire Armor (SWA)
- Double Tape Armor (DTA)
- Aluminum Wire Armor (for single core)

Conductor and Insulation Screening

For rated voltages above 1.8/3kV, cables include non-metallic semi-conducting conductor screening. Insulation screening consists of a non-metallic semi-conducting part combined with a metallic layer, typically plain annealed copper tape, copper wire, or lead alloy/corrugated aluminum sheath.

Testing & Quality



Standardized routine and special testing requirements for quality assurance.

Routine Test Standards

Test Type	Requirement
Partial Discharge	d 2 β C at 1.5U ₀
Hot Set Test (Temp)	200°C \pm 3°C
Hot Set Test (Elongation)	Max 175% under load