



XLPE POWER CABLES

Reliable Power Cable Solutions for Industrial, Commercial & Infrastructure Applications

POWERING POSSIBILITIES

Gulix Cable XLPE Cable Range

Gulix Cable XLPE Power Cables are designed for safe and efficient power distribution in low-voltage electrical networks. These cables are suitable for industrial plants, commercial buildings, residential projects, utilities, panels, substations and infrastructure installations.

XLPE insulation offers excellent thermal stability, low dielectric loss and strong electrical performance, making it a preferred choice for modern power distribution systems where reliability and long service life are important.

Why XLPE Cables?

Higher Current Rating	XLPE insulation supports improved current carrying capacity under suitable installation conditions.
Better Short-Circuit Performance	Thermoset insulation structure helps withstand short-duration thermal stress.
Low Dielectric Loss	Efficient insulation performance supports reliable power transmission.
Long Service Life	Good ageing characteristics and stable insulation properties help improve cable life.
Chemical & Moisture Resistance	Suitable for demanding environments where cables may face moisture, oils or mild chemical exposure.
Robust Mechanical Protection	Armoured options provide added protection for industrial routing, ducts, trenches and cable trays.

Typical Cable Construction

1	Conductor	Aluminium or Copper conductor, solid / stranded / compacted as per applicable requirement.
2	XLPE Insulation	Cross-linked polyethylene insulation for thermal and electrical stability.
3	Laying Up	Multi-core cables are laid up with fillers where required for circular and compact construction.
4	Inner Sheath	Protective bedding layer for armoured cable construction.
5	Armouring	Galvanised steel strip/wire for multi-core cables; aluminium wire/strip option for single-core AC systems.
6	Outer Sheath	PVC / HR PVC / FR / FRLS sheath options for environmental and project-specific requirements.

Technical Snapshot

Parameter	Gulix Cable XLPE Power Cable Offering
Voltage grade	1.1 kV / 1100 V grade
Applicable standard	Generally aligned with IS 7098 (Part 1) for LT XLPE power cables
Conductor	Aluminium / Copper conductor as per Class 2 of IS 8130 where applicable
Insulation	XLPE compound suitable for power cable duty
Core options	Single core, 2 core, 3 core, 3.5 core and 4 core options
Construction	Armoured / un-armoured as per application
Sheath options	PVC / HR PVC / FR / FRLS or project-specific sheath option
Colour	Black as standard; other colours subject to requirement
Packing	Wooden drum / coil packing as per cable size and order quantity

Applications

- Industrial power distribution
- Commercial and residential buildings
- Electrical substations and distribution panels
- Motor feeders and machinery power supply
- Cable trays, ducts and trenches
- Infrastructure and utility projects
- OEM and EPC project requirements

Quality & Testing Focus

- Conductor resistance and dimensional checks.
- Insulation and sheath thickness verification.
- High-voltage withstand and insulation resistance checks as applicable.
- Visual inspection for sheath finish, marking and drum packing.
- Cable identification and dispatch documentation for traceability.

Selection Guidance

- Select cable size based on load current, voltage drop, short-circuit level and route length.
- Apply derating factors for ambient temperature, grouping, soil condition and installation method.
- Choose armoured cable where mechanical protection or direct-burial suitability is required.
- Use FR / FRLS sheath options for indoor and fire-sensitive installations.
- Confirm final cable schedule with consultant / electrical designer before ordering.



Gulix Cable
Powering Possibilities

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