



# FUTURE OF WIRING

Smart, Safe & Reliable Cable Solutions for Modern Electrical Infrastructure

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POWERING TOMORROW'S CONNECTIONS

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# Future-ready Wiring for Modern Projects

The future of wiring is moving toward safer installations, efficient power distribution, better fire performance, cleaner routing and project-specific cable solutions. Gulix Cable supports this transition with reliable cable products designed for homes, commercial buildings, industries, renewable energy projects, data centers and infrastructure networks.

This brochure presents Gulix Cable's approach to future-ready wiring: practical engineering, quality-focused manufacturing, dependable materials and customer-oriented support for evolving electrical needs.

## What Future Wiring Needs

<b>Safety-first Design</b>	Cable selection must support electrical safety, insulation reliability and suitable fire-performance options.
<b>Energy Efficiency</b>	Correct conductor sizing and quality cable construction help reduce losses and improve system performance.
<b>Smart Infrastructure Ready</b>	Modern buildings need wiring solutions for power, control, automation, backup power and monitoring systems.
<b>Renewable Integration</b>	Solar, EV-ready and energy storage projects require cable systems suited for outdoor and DC applications.
<b>Long Service Life</b>	Durable insulation, sheath options and proper installation practices support dependable operation.
<b>Cleaner Installations</b>	Better cable identification, routing and documentation make maintenance easier and reduce downtime.

# Gulix Cable Solutions for Future Wiring

Solution	Future-ready Application
XLPE Power Cables	For efficient low-voltage power distribution in buildings, plants and infrastructure.
Solar DC Cables	For rooftop and ground-mounted solar PV systems, module interconnection and DC string wiring.
Data Center Cables	For critical power distribution, UPS, PDU, control and facility electrical systems.
Light Duty Cables	For protected indoor wiring, appliances, auxiliary circuits and low-load applications.
Control Cables	For panels, relay circuits, automation, monitoring and building management systems.
FR / FRLS / LSZH Options	For fire-sensitive locations where safer cable sheath performance is required.

## Where It Matters

- Smart homes and residential projects
- Commercial buildings and malls
- Industrial plants and manufacturing units
- Solar and renewable energy projects
- Data centers and IT infrastructure
- Hospitals, schools and public buildings
- Utilities, substations and distribution networks
- EV-ready and energy management infrastructure

## Our Future Wiring Approach

<b>Right Cable for Right Application</b>	Cable selection should match load, voltage, route, environment, fire requirement and installation method.
<b>Quality &amp; Traceability</b>	Clear cable marking, batch details, inspection and dispatch documentation support project confidence.
<b>Fire-aware Planning</b>	FR, FRLS and LSZH options can be considered for indoor, public-access and critical areas.
<b>Sustainable Growth</b>	Reliable wiring supports energy efficiency, renewable adoption and long-term infrastructure performance.
<b>Project Support</b>	Gulix Cable supports enquiries with practical product information and requirement-based cable options.

## Selection Guidance

- Select cable size based on current, voltage drop, short-circuit level and installation route.
- Choose insulation and sheath type based on environment, temperature, fire requirement and application.
- Use armoured cables where mechanical protection is required.
- Use solar-rated cables for exposed PV DC circuits and outdoor renewable installations.
- Use FR / FRLS / LSZH options for indoor and critical locations as per project specification.
- Coordinate final cable schedule with consultant, electrical contractor or project engineer.

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