



SOLAR DC CABLES

Reliable Cable Solutions for Solar PV Plants, Rooftop Systems & Renewable Energy Projects

POWERING CLEAN ENERGY POSSIBILITIES

Gulix Cable Solar Cable Range

Gulix Cable Solar DC Cables are designed for photovoltaic power generation systems where long outdoor life, electrical safety and dependable performance are essential. These cables are suitable for connecting solar modules, string combiner boxes, inverters and DC distribution circuits in rooftop as well as ground-mounted solar projects.

The brochure content is written uniquely for Gulix Cable. Industry-standard solar cable construction and terminology have been used for a professional website-ready presentation.

Key Features

UV & Weather Resistance	Suitable for outdoor solar installations exposed to sunlight, heat, humidity and changing weather conditions.
Flexible Copper Conductor	Fine stranded tinned copper conductor helps support flexibility, conductivity and corrosion resistance.
Cross-linked Insulation & Sheath	XLPO / LSZH type compound options support thermal stability and improved service life.
Flame Retardant Performance	Designed for safer routing in solar plants, rooftops and electrical equipment zones.
Low Smoke / Halogen-free Option	LSZH sheath option helps reduce smoke and corrosive gas emission in fire-sensitive areas.
Project-ready Identification	Cable marking and drum identification can be aligned with project and customer requirements.

Typical Cable Construction

1	Conductor	Flexible tinned copper conductor for efficient DC power transmission and improved oxidation resistance.
2	Insulation	Cross-linked polyolefin / XLPO insulation suitable for solar PV duty.
3	Outer Sheath	UV-resistant, weather-resistant and flame-retardant sheath; LSZH option available as per requirements.
4	Marking	Cable size, voltage grade, brand and batch / meter marking as per manufacturing practice.

Technical Snapshot

Parameter	Gulix Cable Solar DC Cable Offering
Application	Solar PV module interconnection, DC string wiring, combiner box and inverter-side DC circuits
Conductor	Flexible tinned copper conductor
Insulation	Cross-linked polyolefin / XLPO type insulation
Sheath	XLPO / LSZH / UV-resistant outer sheath option
Voltage grade	Common solar DC voltage grades as per project requirement
Temperature performance	Designed for outdoor solar operating conditions; final rating as per approved datasheet
Colour	Black / Red or as per customer requirement
Packing	Coils / drums as per size and order quantity
Compliance	To be supplied as per applicable standard, customer specification and approved technical datasheet

Applications

- Solar PV rooftop installations
- Ground-mounted solar power plants
- Module-to-module and string connections
- String combiner box wiring
- Inverter DC input connections
- Renewable energy EPC and utility projects
- Industrial and commercial solar installations

Quality & Testing Focus

- Conductor resistance and dimensional checks.
- Insulation and sheath thickness verification.
- High-voltage / spark testing as applicable.
- Visual inspection for sheath finish, marking and packing.
- Cable identification and dispatch documentation for project traceability.

Selection & Installation Guidance

- Select cable size based on DC current, voltage drop, string design and route length.
- Use UV-resistant and outdoor-rated cable for exposed solar routing.
- Avoid sharp bends and maintain recommended bending radius during installation.
- Use suitable glands, lugs and connectors compatible with solar DC systems.
- Protect cable from mechanical damage, hot surfaces and water accumulation points.
- Confirm final cable specification with project consultant / EPC engineer before ordering.



Gulix Cable
Powering Possibilities

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Disclaimer: This brochure is for general product presentation and website use. Technical ratings, voltage grade, temperature range, compliance and construction shall be finalized as per Gulix Cable quotation, approved datasheet, customer specification and applicable standards.