



CORPORATE BROCHURE

ELECTRIFICATION EVERYWHERE

Powering progress across cities, industries,
communities and everything in between.



WE SOLVE TOUGH PROBLEMS

**AGING GRIDS.
TOUGH TERRAINS.
EXTREME CLIMATES.
RISING POWER DEMAND.**

The grid must evolve. At the heart of this evolution will be the conductors and cables wiring the future. We believe that the future of energy is green, and our products enable the transition to clean energy.



Empowering humanity by addressing the toughest challenges of clean energy delivery

From the lights in a child's classroom, the charge that moves an electric car, to the power behind a hospital's heartbeat, and the cables that connect communities, Sterlite Electric is driving an era of electrification everywhere.



WHY CHOOSE STERLITE ELECTRIC

Sterlite Electric Limited is a global leader in the cable conductor industry, specializing in the design, manufacture, and supply of high-performance power products.

Sterlite Electric Limited (formerly known as Sterlite Power Transmission Limited) is a manufacturer of capital goods in the conductor cable industry, specializing in the design, manufacture, and supply of high-performance power conductors, extra-high voltage (EHV), high voltage (HV), medium voltage (MV) cables, and optical ground wire (OPGW). Serving customers in over 70 countries, Sterlite is renowned for empowering critical power infrastructure development worldwide.

With four manufacturing facilities and an annual production capacity of 140,000+ MT for conductors and 3,000 km+ for power cables, Sterlite Electric combines cutting-edge engineering with robust production capabilities to deliver reliable and innovative solutions. With expertise in navigating 120 critical corridors in major cities and geographical challenges, the company's specialized EPC services enable the successful upgrade, uprate, and fiberization of transmission infrastructure, further enhancing the global energy grid.

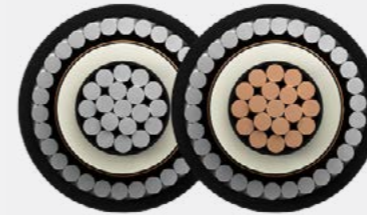
With a relentless focus on innovation and a long-term commitment to growth, Sterlite is at the forefront of shaping the future of energy infrastructure.



Creative visualisation of upcoming factory at Vadodara

AT A GLANCE

110+



Innovative cable and conductor designs

~25%

of India's grid runs on Sterlite's conductors



16+

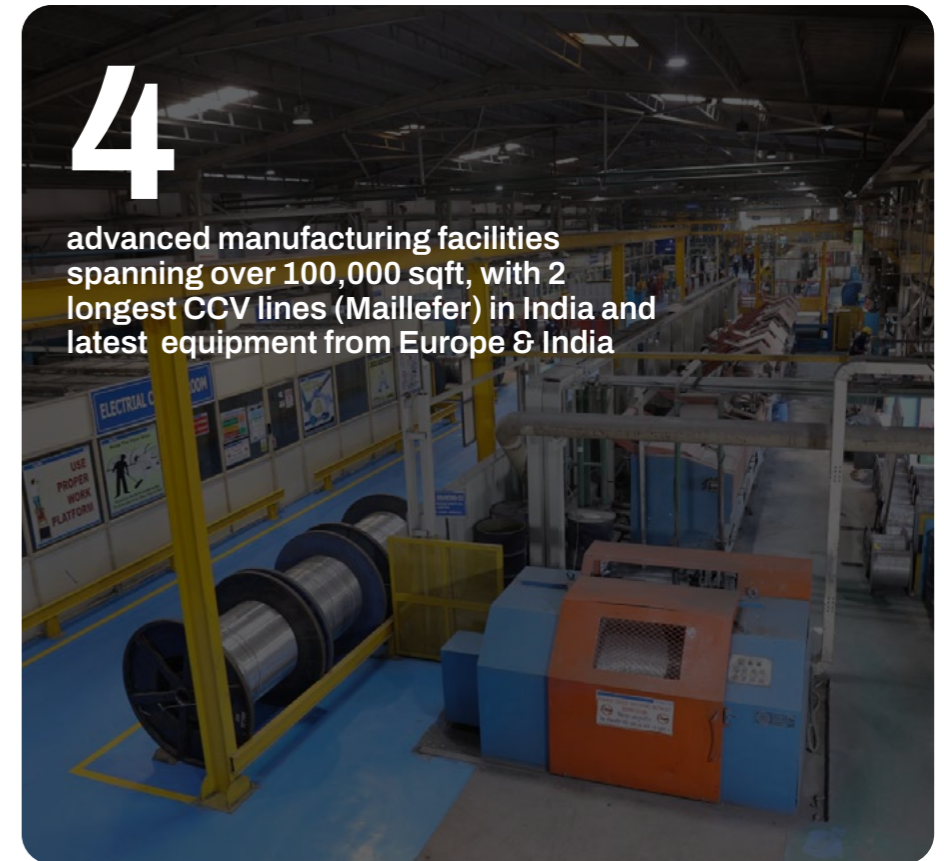
Awards won for innovation, safety and product excellence.

EXTENSIVE

Product Portfolio across Cables, Conductors and OPGW

4

advanced manufacturing facilities spanning over 100,000 sqft, with 2 longest CCV lines (Maillefer) in India and latest equipment from Europe & India



Certified for four years in a row



Certified for excellence, safety and sustainability in manufacturing

Exporting products to **70+** Countries



NABL


Accredited in-house testing laboratories

CONDUCTORS & OPGW

Specialized electrical conductors designed to carry maximum current at various voltage levels across tough terrains. Increasingly adopted for improved efficiency, reduced power losses, and better integration of renewable energy sources.

AT A GLANCE

VOLTAGE RANGE



11 kV to
1200 kV

ANNUAL PRODUCTION CAPACITY

140,000

Metric Tons of Overhead Conductors

PIONEERED

ACCC

TECHNOLOGY

IN INDIA



FIRST

TO DEVELOP

LONG SPAN

RIVER CROSSING



ONE OF THE

LARGEST

PRODUCERS



of High Temperature Low Sag Conductors in India

PIONEERED

OPGW

MANUFACTURING

IN INDIA



ANNUAL PRODUCTION CAPACITY

21,000

km of OPGW

100,000

km of OPGW laid



ACCC

Aluminum Conductor Composite Core



ACSR

Aluminum Conductor Steel Reinforced



ACSS


Aluminum Conductor Steel Supported



AL-59




GAP



OPGW

Optical Ground Wire

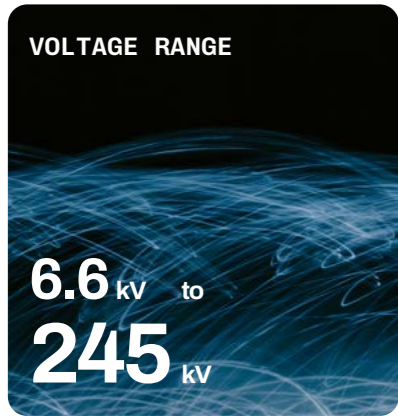


CABLES

Engineered for resilience and performance, our range of medium to extra high voltage and solar cables are crafted with precision to withstand the most demanding conditions, ensuring uninterrupted power transmission worldwide.

AT A GLANCE

VOLTAGE RANGE



6.6 kV to
245 kV

CORE CONSTRUCTION




Available in
Circular Stranded
Aluminum
and Copper
Conductors

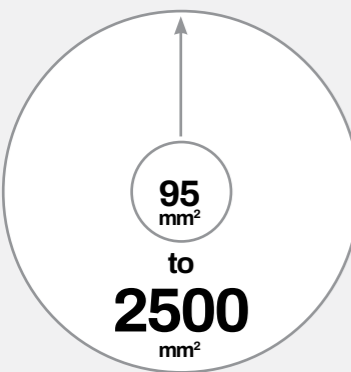
STANDARDS
Engineered for
Global Standards



OUTER SHEATH
PVC, HDPE or MDPE, FR/
FRLSH Variant

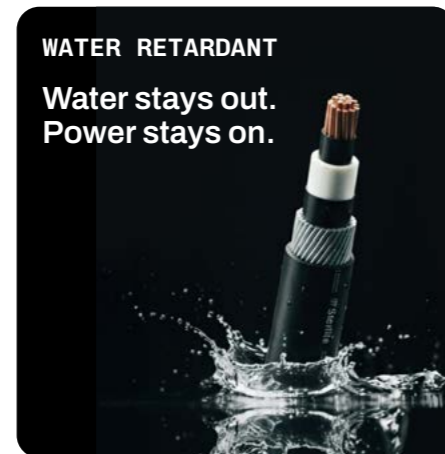


AVAILABLE SIZES

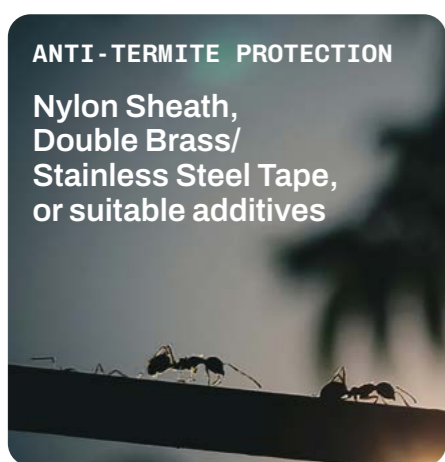


95 mm²
to
2500
mm²

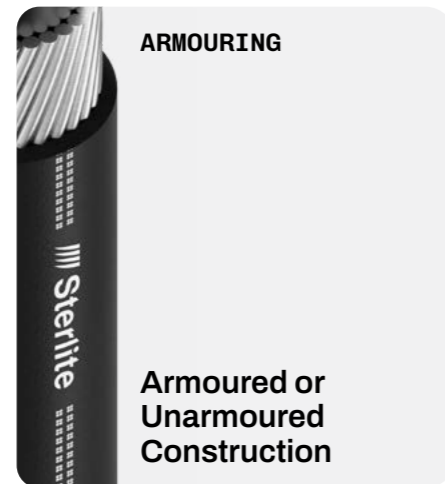
WATER RETARDANT
Water stays out.
Power stays on.



ANTI-TERMITE PROTECTION
Nylon Sheath,
Double Brass/
Stainless Steel Tape,
or suitable additives



ARMOURING



Armoured or
Unarmoured
Construction

SUSTAINABLE PACKAGING
100% steel drums that
protect cables and the
climate.



HIGH VOLTAGE AND EXTRA HIGH-VOLTAGE CABLES

High performance power cables with compacted circular or segmental copper / aluminum conductor, XLPE insulation, corrugated aluminum sheath and outer jacket, ensuring superior performance, and long lasting reliability in power transmission systems.



MEDIUM VOLTAGE CABLES

Power cables with stranded single / three core aluminum conductor, XLPE insulation, copper tape screening, non-hygroscopic fillers, round wire/ flat strip armouring and extruded outer jacket for safe, durable and reliable power transmission.



SOLAR CABLES

Sterlite Electric offers solar cables with 2.5 MeV electron beam irradiation curing technology, delivering superior durability and excellent environmental compatibility.



HIGH AMPACITY CABLES

Delivering up to 15% higher current, operating at 105°C, ideal for extreme heat regions, enabling medium-voltage networks to avoid oversized conductors and reduce costs.



NEW PRODUCT DEVELOPMENT

ENGINEERING WHAT'S NEXT

From Medium Voltage Covered Conductors (MVCC), FIPC-enabled cables and IntelliSense™ condition-monitoring conductors to advanced material engineered designs, our new product development pipeline is shaping the next generation of grid performance, intelligence, and sustainability.



SOLUTIONS

TURNKEY SOLUTIONS

System design, application expertise, complete engineering procurement as well as project management, commissioning and lifecycle services.

6,500+
ckm of uprate and upgrade to existing lines

45,000+
kms of OPGW-based communication projects

120
critical corridors in 27 states

EPC SOLUTIONS

01

Grid Uprate

Boost transmission capacity and reduce losses with advanced high performance conductor for efficient and faster execution for 66KV to 400KV lines.

02

Upgrade Solutions

Using existing footprint of the corridor to increase ampacity and load carrying capacity for sustainable grid modernization, backed by a proven track record of working in densely populated areas.

03

Greenfield Transmission EPC

End-to-End EPC for newly integrated underground and overhead transmission lines, and substation projects ensuring reliability, scalability, and speed in building resilient power infrastructure.

04

Live Line Fibrisation & OPGW

Install OPGW and fiber on live lines with robotic and drone technology for digital grids.

05

Specialized Execution in Tough Terrains

Expert transmission construction in challenging terrains using heli operations and advanced methods for safe, timely project execution.

06

Live-Line Reconductoring

Uprate energized lines with live-line reconductoring for higher capacity, enhanced safety, and zero power disruption.

SERVICES

CONVERGENCE

Sterlite Electric is one of India's leading digital communication infrastructure providers with a core focus on dark fiber leasing, monetization, and maintenance.

With proven PPP success, industry-leading uptime, and sustainable innovation, we deliver reliable, scalable, and mission-critical connectivity that empowers telcos, hyperscalers, and State Government and Private utilities to operate with confidence.

23,000
Route Kms of OPGW

19,000
Transmission Towers

73+
Colocation sites

Near **100%**
Uptime

OUR DATA SERVICES OFFERINGS

01

Digital Infrastructure

High-capacity OPGW fiber network engineered for data centres, hyperscalers, and Over-the-Top (OTT) networks across India.

02

Dark Fiber Lease Services

Dedicated dark fiber leasing across OPGW and Optical Fiber Cable routes with full lifecycle management.

03

Colocation Facilities

High-availability, carrier-neutral colocation featuring next-generation solar powered Containerized Data Centers (CDC).

04

Fiber EPC Deployment

Turnkey EPC services for fiber network design, deployment, and operations for telcos, enterprises and smart city networks.

05

Fiber Monetization Solutions

Partnership models to monetize surplus fiber assets while maintaining network performance and operational reliability.

CLIENTS

TRUSTED BY INDUSTRY LEADERS AND PARTNERS



NOTEWORTHY

AWARDS AND ACCOLADES





CORPORATE OFFICES

Mumbai

Ascent, 5th floor, Sudam Kalu Ahire Marg, opposite GSK, Worli, Mumbai, Maharashtra 400030

Gurugram

5th Floor, RMZ Infinity, Plot No. 15, Udyog Vihar – IV, Gurugram - 122015, Haryana, India

MANUFACTURING UNITS

Haridwar

Sector-5, Vardhman Industrial Estate, Behind Patanjali Yogpeeth, Haridwar, Uttarakhand 249 405

Jharsuguda

At-Bhurkhamunda, PO - Kalimandir Road, District - Jharsuguda, Odisha 768 202

Piparia

Survey No.209, Phase -II, Piparia, Piparia Industrial Estate, Silvassa, Dadra & Nagar Haveli 396 230

Rakholi

Survey No.99/2/22, & 23, Rakholi, Madhuban Dam Road Rakholi, Silvassa, Daman & Diu 396 230

FOR ANY QUERIES OR SUGGESTIONS

Dhritiman Biswas

Head, Power Cables
sales.enquiry@sterlite.com

Ankit Bhardwaj

Head, Overhead Conductors and MSI
sales.enquiry@sterlite.com

Rajshekhar Deshraj

Head, Convergence
sil@sterliteelectric.in



Website

www.sterliteelectric.com

