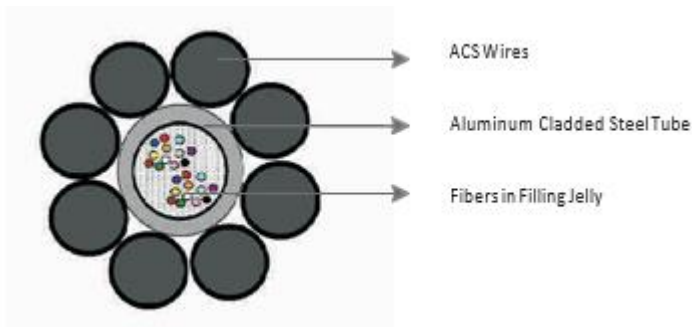


## Sterlite AERIAL-LITE™ OPGW Cable Series

### Aluminum Clad Central Steel Tube Design



### Project Description

Sterlite AERIAL-LITE™ OPGW cable with aluminum clad central steel tube is available in fiber counts up to 24. It is the perfect solution for overloaded towers due to its small diameter and light weight construction. The fibers are protected from environmental conditions to ensure reliability and long life.

### Product Feature

- Very small, low weight cable resulting in low added load to the poles/towers. Central tube provides mechanical and thermal protection to optical fibers. High fault current rating with good crush resistance.
- Obtaining the best balance of electrical and mechanical properties by adjusting AA/AS combination.
- The stranded wires can be customized to individual customer requirements. Single or dual layered designs available as per strength and fault current requirements.

### Product Application

Ideal for installation in highly corrosive environments.

### Product Options

- Optical fiber options:  
ITU G 652 D < 0.35/0.21 dB/km @ 1310/1550 nm  
ITU G 655 < 0.23/0.25 dB/km @ 1550/1625 nm
- Identification options: EIA/TIA 598  
Black ring marking for >12 fibers in a tube.  
Bundle binders for each 12 fiber.
- Operating temperature range: -40° C to +85° C
- Installation temperature range: -20° C to +70° C

### Typical Product Specification

Fiber Count	Product Code	Fault Current (kA <sup>2</sup> .sec)	Effective Area (mm <sup>2</sup> )	Overall Diameter (mm)	Weight (kg/km)	UTS (KN)	DC Residence @ 20degC (ohm/km)
24	24B1-59 [78;39]	39	59	12.5	530	78	0.9
24	24B1-65 [88;47]	47	65	13.4	545	88	0.6
24	24B1-81 [69;41]	47	81	11.8	437	69	0.6

## Supply Length

Maximum length per reel is 4 km. Length per reel is available as per customers request.

## Manufacturing Process

To ensure the accuracy and precision of the manufacturing process, Sterlite has a state of the art plant with top of the line machines enabling control of critical process and quality parameters. All Sterlite production lines are backed with strong-quality-assurance systems, thereby ensuring that all process and test equipment are periodically calibrated with defined benchmarks.

## International Standards

These cables comply with IEEE1138:2009 and IEC60794-4 specification standard.

## Service USP's

- World-wide sales support
- Web-based order tracking& customer support
- Specialized technical support

## Technical Specifications

The above designs are only a sample of the options available from Sterlite. Contact our sales team for a cable designed to your exact specifications.

## Disclaimer

Sterlite's policy of continuous improvement may result in a change in specifications without prior notice. Any warranty of any nature relating to any Sterlite product is only contained in the written agreement between Sterlite Power Transmission Limited and the direct purchaser of such product(s).