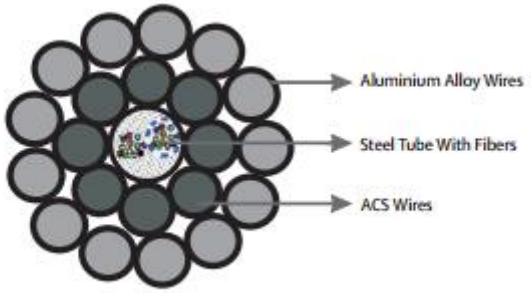
STERLITE AERIAL-LITE™ OPGW Cable Series
High Fault-Current Design



Project Description

Sterlite AERIAL-LITE™ high fault-current OPGW cable is available up to 96 fibers making it suitable for application is high fiber count and super-high voltage power lines. Steel tubes are stranded with high strain steel wires to create a dual-layer design suitable for a range of high fault applications.

Product Feature

- High fiber counts and flexible as per customers' requirements.
- Typically have higher cable diameter.
- Laser welded stainless steel provides mechanical and thermal protection for optical fibers.
- High load and long span capabilities.
- Each stainless steel tube is uniquely identified for organization at splice locations.
- The stranded wires can be customized to the individual customer requirements of electrical and mechanical properties by adjusting AA/AS combination

Product Application

Ideal design for transmission lines with very high fault current requirements.

Product Option

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: -30 C° to +70° C

Typical Product Specification

Fiber Count	Product Code	Fault Current (kA^2. sec)	Effective Area (mm^2)	Overall Diameter (mm)	Weight (kg/km)	UTS (KN)	Residence @ 20degC (ohm/km)
24	24B1-82 [103;464]	464	180	17.90	756	103	0.2344
48	48B1-86 [103;464]	464	180	17.90	756	103	0.2344
96	96B1-100[76;146]	146	120	14.5	504	76	0.3434

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 up with strong quality assurance systems. This is done by ensuring that all process and test equipment's 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 & customers support.
- Specialised technical support.

Technical Specifications

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

Disclaimer

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