



Cable Management for Solar Power

SAFE, STRONG, DURABLE SUPPORT

Proven Performance for over 40 Years
in Electrical & Utility Industries

Patent pending



Important Advantages Compared to Trenching or Cable Tray

- ✓ Large Cost Savings
- ✓ Quicker Installation
- ✓ Easy Troubleshooting and Maintenance
- ✓ Standardized Cable Management Cuts Engineering Costs

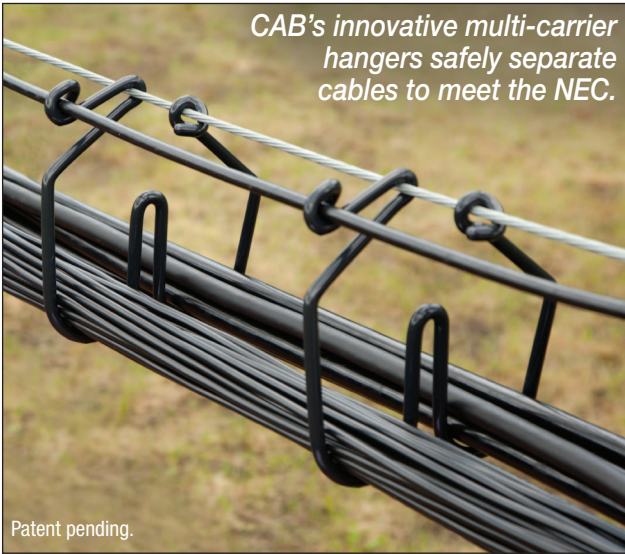
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Cable Management is critical to the safety and longevity of ground mount solar PV arrays. CAB's high quality solar cable management system delivers safe, strong and durable cable support with important advantages over trenching or cable tray.

CAB's cabling system has gained wide attention and acceptance because it is quick and easy to install which results in large labor savings on the job site. Individual CAB hangers attach to the messenger wire in less than five seconds. Cables are easily loaded into carrier sections and hangers locked in place. CAB's innovative design provides a strong, tight grip of the hanger to the messenger wire. Hangers can be opened and closed in the future for easy maintenance and troubleshooting.

CAB's innovative multi-carrier hangers safely separate bundles of cables to meet the NEC requirements. Over 25 standard CAB designs are offered to safely support large bundles of string wires, DC feeders, as well as AC, data or other cabling. Custom hanger configurations are also easily manufactured to meet specific project requirements.

Standardizing cable management with CAB Solar helps to lower engineering costs in a developer's portfolio of projects. In addition, it provides more predictable costs of installation compared to trenching or cable tray, which can be problematic.



CAB® Solar Delivers Important Engineering Advantages

CAB Solar Hangers are manufactured from class 3 galvanized, high tensile spring steel for maximum strength and corrosion resistance.

All CAB Hangers receive a thick PVC coating that provides added safety and protection for cables. The high performance coating is applied on 100% of the surface which makes hangers totally insulated and durable in highly corrosive environments. The coating also makes hangers easier to handle and install, which reduces installation time.

CAB's 80 mil (2mm) thick PVC coating is flame retardant, chemical resistant and UV stabilized for long service life. It is also high dielectric grade with a dielectric breakdown strength of 400 volts per mil (.025mm). Coatings are available in two standard colors: dark gray and high-visibility safety orange.

A library of drawings for CAB's Solar Products is on CAB's website, www.cabproducts.com, under brochures/educational materials. Please contact us regarding your next project.



Individual CAB hangers are easily attached to the messenger wire. No special tools required. Cables are loaded into carrier sections, then hangers are locked in place. Hangers may be opened again to add cables or to perform maintenance. Cables are safely separated to meet NEC.

Patent pending.



CAB Mid-Pier Kit includes L-Bracket and all hardware for support of messenger wire.



CAB End-Pier Kit includes all hardware for anchoring messenger wire to end piers.



Intertek

CAB's Solar Cable Management System is ETL safety listed to the following Safety Standards: UL 2239, UL 1565, CAN/CSA C22.2 No. 18.4-15 and CAN/CSA C22.2 No. 18.5-13.

Comparison of Solar Cable Management Systems

CAB® Solar - Trenching - Cable Tray

Engineering Benefits in Large Scale Solar PV Arrays	CAB® Solar	Trench	Cable Tray
Large cost savings on labor and materials.	✓		
Very easy to install. No specialized tools needed. No problems with machinery breakdowns.	✓		
No expensive delays caused by flooded trenches, deep mud and unsafe site conditions. (Photo right)	✓		✓
More predictable costs. No overruns due to unforeseen construction issues, hard rock, high water table, etc.	✓		✓
Benefits environment. Less digging and soil run-off. Less disruption to native/endangered species' habitat. Less impact on archaeological sites.	✓		✓
Rodents won't nest in or around cabling causing potential fires. (Photo right)	✓		
Easy electrical maintenance and troubleshooting throughout life of project.	✓		✓
Ease of mowing and trimming in non-arid locations.		✓	
Ideally suited for brownfields, landfills, rocky sites, high water table locations, ballasted installations.	✓		
Lower logistical cost with smallest shipping and storage footprint.	✓		
Custom configurations are easily manufactured to meet specific project requirements.	✓		
Standardized cable management across an entire portfolio of projects greatly reduces engineering costs.	✓		✓



Rodent nesting in tray causes fire and system shutdown.



Trenching trouble leads to delays and possible penalties.



CAB is a private, non-profit organization dedicated to providing job opportunities and services to persons with disabilities. CAB Products are manufactured by CAB employees with great pride and integrity. We deeply appreciate the support of our customers. Through your orders, many disabled persons are given the opportunity to be productive, independent and self-sufficient.



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