

# Standards and Quality Assurance

NY-Sun



The Standards and Quality Assurance Team manages a network of third-party inspectors to verify a sampling of projects for compliance with program and technical requirements.

This fact sheet is part of a series aimed at helping contractors become knowledgeable about common nonconformances in the NY-Sun Commercial and Industrial Program.

## CAB Solar Cable Management System Guidance

CAB utilizes PVC coated steel hangers, messenger wire, clamps and brackets in the installation of a cable messenger support system for solar PV system conductors as allowed per NEC Article 396.

NYSERDA has prepared this guidance document to ensure code compliant installations, which address the concern related to CAB conductors where subject to physical damage as outlined in NEC 396.12. NYSERDA requires a site plan to clearly delineate and note all wire runs where CAB is proposed for review and approval prior to installation. NYSERDA will accept incidental jumps of a reasonably short length between rows of arrays or along the array rows, preferably under the array, when properly supported and protected from physical damage. CAB shall be installed at the highest elevation above grade possible without interfering with tracker operations, if applicable or a minimum of 36 inches above grade. Permanent warning signage installed on a driven post or concrete ballasted post if unable to drive a post due to site conditions such as a landfill or shallow bedrock shall be required. The signage shall be mounted approximately four feet above grade, located at the midpoint between rows stating “Danger – High Voltage”; lettering shall be a minimum of two-and-a-half inches tall. When CAB is installed along array rows but not under the array, signage is required at a minimum of every 25 feet.

NYSERDA will NOT accept the use of CAB in locations that extend more than 3 feet beyond the outside edge of the array footprint and are routed any significant distance to adjacent arrays, balance of system or other service equipment components, except on a case-by-case basis such as wetlands. It is our position that installing CAB in open areas will subject the conductors to physical damage. Physical damage could occur during mowing activities, snow removal or other maintenance operations.

Please provide NYSERDA with the below information on the site plan as follows:

- Delineate all proposed CAB locations.
- Elevation view of signage installed between rows.
- CAB minimum height above grade.
- Detail of signage with “Danger – High Voltage” language.
- Material specifications of post and signage.

## Have questions?

If you have questions, please contact:  
[inspections@nyserderda.ny.gov](mailto:inspections@nyserderda.ny.gov).



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