Okonite also manufactures a full line of Instrumentation, Power & Control cables.

Your Solar Energy Cable Source

Collection System Cables

<table>
<thead>
<tr>
<th>Medium Voltage Power</th>
<th>1kV - 3kV Cables</th>
<th>2kV - 35kV Cables</th>
<th>Insulation</th>
<th>Armor</th>
<th>Core</th>
<th>Jacket</th>
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<tbody>
<tr>
<td>Medium Voltage Power</td>
<td>PVC</td>
<td>NYAF</td>
<td>PVC</td>
<td>PVC</td>
<td>PVC</td>
<td>PVC</td>
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<tr>
<td>Low Voltage Power</td>
<td>1kV &amp; UMC Power</td>
<td>0.6/1kV</td>
<td>PVC</td>
<td>PVC</td>
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</tbody>
</table>

*Also available as UL & CSA listed 60°C rated cables.

Contact your local Okonite Sales Office for additional information.

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**SOLAR ENERGY IS POPULAR**

The popularity of solar power continues to grow in the U.S. Current installed generation capacity is estimated at over 30 Gigawatts. Electric utilities are using solar energy to supplement other forms of generation while residential systems are becoming more prevalent. These sources of distributed generation are having a major impact on the traditional electric grid model and how electric utilities provide energy to their customers.

**YOU KNOW OKONITE**

Founded in 1878, Okonite first entered the electric utility generation market in 1882. It was also the same year Thomas Edison selected Okonite for the very first generating station on Pearl Street, New York City. In the 135 years since, Okonite continues to lead the way with its quality and expertise for the emerging new generation assets.

**OKONITE QUALITY**

Within the industries we serve, Okonite is considered to be the premium quality cable available. This comes from years of innovation, proven reliability, and a determination to get it right the first time. Maybe it’s because we’re an employee-owned ESOP company where everyone is part of the products and solutions we provide.

During our historic legacy, we have led the industry in innovations, research and plant modernizations.

**OKONITE RELIABILITY**

Okonite has been the cable standard for all previous modes of power generation. Solar generation requires the same cable reliability. Okonite’s Okoguard all EPR insulation system has now performed in the most demanding environments for over 50 years. Okoguard is the insulation system that’s qualified to operate continuously at 133% of its rated temperature. In addition, cables will be able to continuously conduct power to the grid under a variety of conditions, including the perfect solar day, when the field is producing maximum output and all cables are fully loaded.

Ironically, cable is the longest link with the highest exposure between power source and the point of power delivery - the grid - yet a small percent of the overall project cost. Solar fields deserve the same Okonite quality cables as all other forms of generation.

**TYPICAL SOLAR FIELDS**

Utility scale solar fields are built in high sunlight intensive, desert like climates. Soil conditions and lack of soil moisture are not ideal for efficient conductor cooling. As a result, medium voltage cables will run hot during full load conditions.

There is a dramatic thermal performance difference between Okonite’s all EPR medium voltage cables and XLPE. As shown in the accompanying charts, medium voltage polyethylene based insulation loses its physical properties above 105°C. Okonite’s Okoguard all EPR insulation system maintains physical stability over a temperature range of 30° to 150°C. When all systems are “GO”, make sure your medium voltage cables can take the heat. Specify, buy and install the cable whose reputation is built on reliability... Okonite.

**MANUFACTURED SOLAR CABLES**

![MANUFACTURED SOLAR CABLES](image)

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