

SOLAR POWER PRODUCTS & SERVICES



SOLAR  
POWER

More rays  
less risks



**Nexans**  
ELECTRIFY THE FUTURE

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## **Nexans Canada**

# **Driving Electrification in a Sustainable Way**

Nexans is a **global player in energy transition**. Our purpose is to **Electrify the Future** and work towards a new world of **electrification** – safer, sustainable, renewable, decarbonized and accessible to everyone.

We offer high performance cables and innovation solutions for Residential, Commercial, Industrial, Renewable and Utility markets.

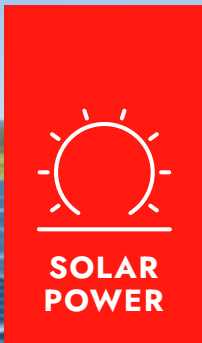
We have manufacturing plants in Fergus, ON, Weyburn, SK and Montreal, QC.

**We are proud to be a Canadian cable manufacturer for over 110 years.**



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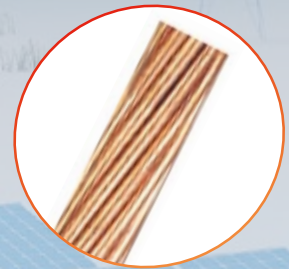
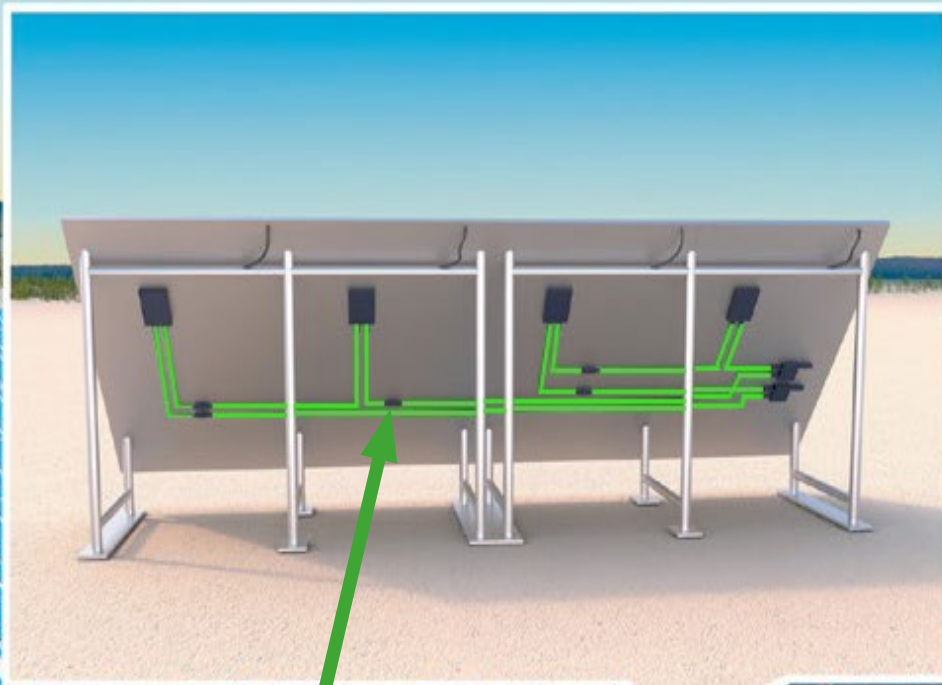
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# Solar Power Cables

Nexans Canada is a "one-stop" supplier of Solar Utility Grade products



**Nexans Copper**  
For all bonding & grounding applications



## **COPPER:**

- sizes from #14 AWG to 1000 kcmil, solid or stranded
- bare, stranded annealed per ASTM B8 Class B compressed

## **Nexans RPVU90 Photovoltaic** Copper or Aluminum

### **Features:**

- 2 kV rated
- Temperature rating of 90°C dry & wet; marked -40°C
- Sunlight resistant

### **Specifications:**

- CSA C22.2 No. 271 Photovoltaic Cables
- CSA C22.2 No. 38 Thermoset Insulated Wires & Cables
- CSA File Number: LL23462 Class 5721 02



Scan to learn more



## **ALUMINUM:**

- sizes from #1/0 AWG to 1000 kcmil, stranded
- compact stranded AA-8000 series aluminum conductor material (ACM) per ASTM B801 Class B or ASTM B836

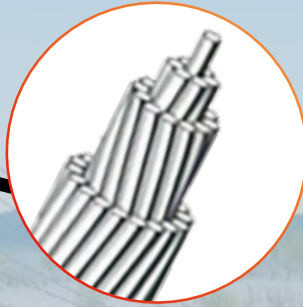


All cables are designed and manufactured in ISO 9001:2015 certified sites.





## Nexans Overhead Conductors\*



### Applications:

Widely used for overhead transmission and distribution lines. The choice of conductor size, type and strength should take into account factors such as electrical load, voltage regulation, corona losses, ice and wind loading, extreme temperatures and vibration.



Scan to learn more

## Nexans Medium Voltage Standard 90°C or High Temperature 105°C Distribution Cable\*

Type: Concentric Neutral (CN)

### Advantages of using 35 kV 1000 MCM 105°C CN 1/6:

- **Reduction in conductor diameter** translates to overall smaller cable diameter to fit into tight duct systems.
- Often conductor size can be reduced one gauge size with near the same ampacity resulting in **weight savings and cost savings in metal.**
- **Therefore, it's smaller, lighter, easier to install, and a less costly solution**

### Specifications:

- CSA C68.5 Primary shielded & concentric neutral cable for distribution utilities
- CSA C68.10 Shielded power cable for commercial and industrial applications



Scan to learn more

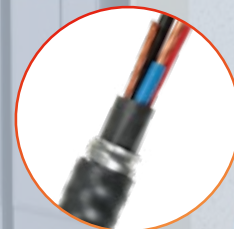


## Medium Voltage Tee Connectors & Splices

Made in Europe



Nexans **RW90**



Nexans **TECK90**

For use between the inverter and transformer

\*Suitable for BESS (Battery Energy Storage System) & Wind Applications



# Solar Power **Services**



## Secure Supply & Control Risks

- **Supply chain efficiency:** guaranteed shorter lead time through our Solar Contractor program
- **Metal hedging:** mitigate risk of price volatility and ensure on-budget projects
- **Longer lifespan:** produced with best in class compound
- **Local teams & plants:** high reactivity at every stage of the project

## Engineering Services/Support

### Standard:

- Technical support for manufactured products
- Support with information on installation

### Optional:

- **Technical training**/presentations on our products
- Support during **design phase of interconnection to main grid** with calculation of cable properties (physical/electrical):
  - ampacity, temperature for conductor;
  - ampacity, temperature, impedance, and sag & tension for overhead line;
  - short circuit calculations for shielded MV products;
  - design review process available
- Support during **installation phase:**
  - acceptance testing (post-installation to ensure cables have not been damaged during installation);
  - maintenance testing (done periodically to ensure the jacket is not breaking down);
  - pulling tension calculations;
  - methods of installation



## **ULTRACKER™**

### Connected Reels Tracking Solution

Customers can now **track** their fleet thanks to GPS trackers and advanced visualization dashboards (web portal). The system also provides **remaining length follow-up** for each reel to support short cable-length optimization. The geofencing features can be tailored to provide **automatic delivery notification** as well as **theft and tamper notification**. Ultracker™ has been proven to reduce reel losses by **90%**.

# Sustainability



**Corporate Social Responsibility (CSR)** is a guiding principle of Nexans' business activities and internal practices. We focus on **Environment and Engagement** and for a more sustainable future.

## ENVIRONMENT.



- Full transparency of the environmental impact of our products. An **Environmental Product Declaration (EPD)** is available through a QR code on the product label. This provides the carbon footprint of a product along its whole life-cycle.
- **Local footprint in Canada** with our cables manufactured in Weyburn, SK and Fergus, ON
- Our **vertically integrated structure** of copper raw-material supply and processing at our Rod Mill in Montreal, QC ensures we **source copper though Ethical and Sustainable means** and provides **copper supply assurance** for our plants



## Recycling & Scrap Services

Turn your scrap or end of life cables into a source of revenue. We take care of everything, from cable scrap recovery to recycling in strict respect of regulation and legislation.



## ENGAGEMENT.



- Employ **500+ people** in Canada, providing local technical knowledge and engineering support
- Build strong relationships with **Key Utilities, National Distributors** and **Energy Developers**
- Donate cables and support to **Habitat for Humanity Canada** and **Indigenous Housing Partnership**
- Help disadvantaged communities gain access to electricity through our **Nexans Foundation**







**SOLAR  
POWER**



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PROUD MEMBER / FIER MEMBRE

Canadian Renewable  
Energy Association  
WIND, SOLAR, STORAGE.

Association canadienne  
de l'énergie renouvelable  
ÉOLIEN, SOLAIRE, STOCKAGE.

