



Solar Energy

Advance Wire and Cable



SYCOR
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INDUSTRY

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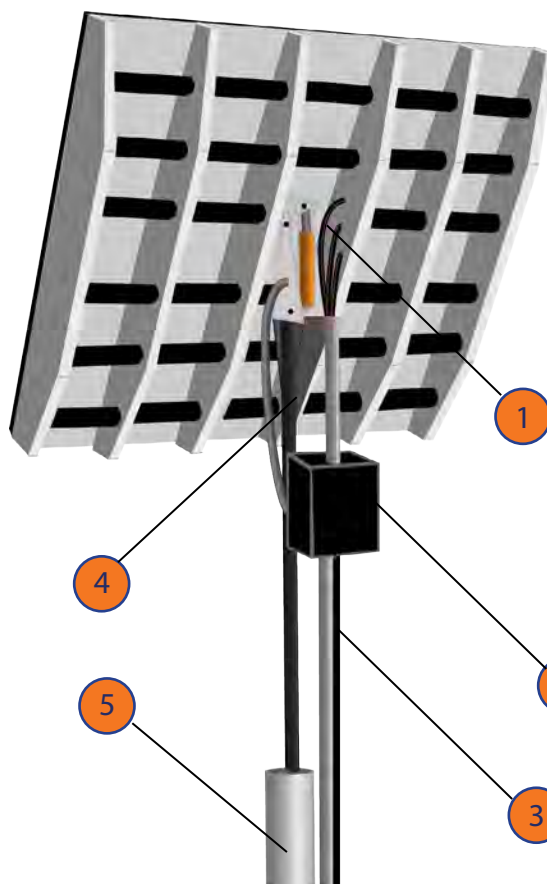
Although solar energy applications have been around for decades, the demand for quality components required to enhance power capture efficiency continues to grow. The wire and cable selected play an essential role in terms of power transfer, signalling and communication between different parts of your system.

Our team can help harness the power of the sun by offering solutions for full-spectrum power transfer and communication performance. We engineer quality cable solutions impervious to harsh elements leading to wire degradation, and thus, higher solar cell efficiency over time. We also offer bundled cable solutions & wire harnesses to save you procurement time and money.

Since 1981, we have been providing engineered wiring solutions in an assortment of advanced technological products & designs. In conjunction with our world-renowned partners, our products are featured in well-known international space modules, communication satellites, industrial robotics, defence systems, and solar projects spanning the globe. We have the experience to accommodate any engineering design – simply send us your requirements, and we'll do the rest.

Let us work for you, and discover how our prompt service, product quality and experience set up apart.

Solar Energy Applications



1 Panel Hookups

- Power Lead Wire
- Wire Management Products

2 Junction Box

- Control and Motor Supply Cable
- Power Lead Wire
- Wire Management Products

3 Inverter System

- Instrumentation and Data Cable
- Power Lead Wire
- Fiber Optics
- Wire Management Products

4 Control and Monitoring System

- Control and Motor Supply Cable
- Instrumentation and Data Cable
- Fiber Optics
- Wire Management Products

5 Grounding System

- Bare Copper
- Wire Management Products

PRODUCTS



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Power Lead Wire

Solar (PV) Wire UL 4703

600V & 2000V, -40°C to 90°C

XLPE and/or EPR Insulation / PVC and/or CPE Jacket

Approvals: USE-2, RHH/RHH-2, EPA, VW-1

Solar (PV) Wire UL 4703- EU

1000V, 90°C

LSZH Insulation, Halogen-free

Approvals: TÜV 2PFG 1169, VW-1

H05Z-K & H07Z-K Lead Wire

750V, 90°C

XLPO Insulation, Halogen-free

Approvals: <HAR>, VDE, CE

SGT & SGX Battery Cable

-40°C to 105°C & -40°C to 125°C

PVC & XLPE Insulation

Approvals: SAE J-1127

Diesel Locomotive Cable (DLO)

2000V, 90°C

EPR Insulation / CSPE Jacket

Approvals: RHH/RHW, R90, VW-1, FT1

XHHW

600V, 90°C

XLPE Insulation

Approvals: UL XHHW-2, VW-1

2kv DLO Wind Turbine Power Cable

2000V, -40°C to 90°C

Bare Copper, EPDM Insulation & CPE Jacket

Approvals: UL RHH-RHW-2, RW90, WTTC, FT-4 & VW-1

VFD Cable UL1277 or UL2277

600V or 1000V, -40°C to 90°C

XLPE Insul., Copolymer Jacket, Foil 25%, Tin Braid 85%

Approvals: WTTC, TC-ER, VW-1 & Class 1 Div. 2

Motor Supply & Control Cable

Flexible Tray Cable

600V, 90°C

Multi-conductors fit to spec

Approvals: TC-ER, FT4, EPA, VW-1

SJOOW & SOOW Power Cable

300V & 600V, -50°C to 105°C,

EPDM Insulation / CPE Jacket

Approvals: FT1, FT2

H07RH-F Heavy Duty Power Cable

450/750V, -25°C to 60°C

Rubber insulation, Neoprene Jacket

Shielded and flexible construction

Instrumentation & Data Cable

Power Limited Tray Cable

300V, 105°C

Shielded and flexible construction

Approvals: EPA, FT4



CONTACTS



1-2220 Argentia Road
Mississauga, Ontario
L5N 2K7
Canada



905-821-3591

905-821-7260 (Fax)

1-800-268-9444 (Toll-Free)



www.sycor.com



info@sycor.com

sales@sycor.com