



 **UL-LISTED CABLES**

**Delivering Power  
Safely & Responsibly**



TELECOM | AUTOMOTIVE | DEFENCE | RAILWAYS | POWER | PROJECTS

## **SVARN UL-LISTED CABLES**

# The hallmark of reliability, durability, and performance

Since its establishment in 2005, Svarn has emerged as a leading manufacturer of cables catering to a diverse range of industries, and a prestigious client base consisting of renowned brands, both in India and internationally. Drawing from its profound expertise across various sectors, Svarn continually strives to innovate standards and align itself with industry-wide best practices in cable manufacturing. This commitment to excellence ensures that Svarn's cables not only meet but exceed stringent safety and performance requirements.

It's no surprise, then, that Svarn offers a comprehensive range of cables that are UL listed. These UL-listed cables provide customers with peace of mind, knowing they have access to products that adhere to the highest industry standards. Whether it's for industrial or commercial application, Svarn's UL-listed cables offer reliability, durability, and safety, making them the preferred choice for discerning customers worldwide.



**Total traceability in  
our product range**



**Worldwide recognized  
certificates**



**UL listed cables**



**Complete range  
XL insulated cable  
up to 2.0kv as per UL 44**



**Cables specifically designed  
for industrial & commercial  
applications**



**Power cables**

## ABOUT US

At Svarn, we're pioneers in turning big ideas into real-world solutions. Our legacy of innovation, rooted in the essence of "Svarn" or Gold, has thrived since 2005. With over 3,000 dedicated employees, we're constantly pushing the boundaries of technology to benefit our customers and society. Our impact spans across six key industries, supported by seven cutting-edge manufacturing facilities and global offices in strategic locations. Through relentless innovation, we're shaping a prosperous and sustainable future — **inspired by possibilities.**



Know more at [www.svarn.com](http://www.svarn.com)

## CERTIFICATE OF COMPLIANCE

**Certificate Number** E531809  
**Report Reference** E531809-20231024  
**Date** 2023-October-24

**Issued to:** Svam Infratel Pvt. Ltd.  
74th Miles Stone  
Delhi-Mathura Highway  
Village Mitrol, Distt.  
Palwal Haryana, 121105 IN

**This is to certify that** THERMOSET-INSULATED WIRE  
**representative samples of** See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the  
Standard(s) indicated on this Certificate.

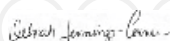
**Standard(s) for Safety:** UL 44 Thermoset-Insulated Wires and Cables  
CSA C22.2 No. 38-18 Thermoset-Insulated Wires and  
Cables

**Additional Information:** See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

  
Deborah Jennings-Conner, VP Regulatory Services  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Services Representative at <http://ul.com/aboutul/locations/>



# Certificate of Compliance

**Certificate Number(s):**

UL-US-2586521-0

**Report Reference:**

E539104-20251013

**Issue Date:**

2025-10-14

**Issued to:**

**Svarn Infratel Pvt.Ltd.**  
**74th Miles Stone, Delhi-Mathura Highway, Village Mitrol, Distt.,**  
**Palwal, Haryana, 121105, IN**

This certificate confirms that representative samples of:

**TYLZ - Service-entrance Cable**

**See Addendum Page for Product Designation(s).**

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

**UL 854, Edition 12, Issue Date 2020-01-10, Revision Date 2025-09-29**

**Additional Information:**

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



A handwritten signature in black ink, appearing to read 'David Piecuch'.

David Piecuch  
UL Mark Certification Program Manager

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

# Certificate of Compliance

**Certificate Number:**

UL-US-2445737 -0

**Report Reference:**

E540824 -20241125

**Issue Date:**

2024-11-26

**Issued to:**

Svarn Infratel Pvt.Ltd.  
74th Miles Stone  
Delhi-Mathura Highway  
Village Mitrol, Distt. Palwal, Haryana 121105  
India

This certificate confirms that representative samples of:  
**ZKLA - Photovoltaic Wire**

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

UL 4703, 1st Ed., Issue Date: 2014-9-30, Revision Date: 2020-8-11

**Additional Information:**

See UL ProductIQ at <https://i.q.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



© 2024 UL LLC. All rights reserved.  
Form-ULID-019496 — ver 1.0

A handwritten signature in black ink, appearing to read 'David Piecuch'.

David Piecuch  
UL Mark Certification Program Owner

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

Page 1 of 2



# Certificate of Compliance

**Certificate Number:**  
E536440

**Report Reference:**  
E536440-2024-01-30

**Issue Date:**  
2024-01-30

Issued to:

**Svarn Infratel Pvt.Ltd.  
74th Miles Stone  
Delhi-Mathura Highway  
Village Mitrol,Distt.  
Palwal Haryana, 121105 India**

This certificate confirms that representative samples of:

**COMMUNICATIONS CABLE**

**See Addendum Page for Product Designation(s).**

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

**UL 444 And CSA C22.2 No. 214 Communications Cables**

Additional Information:  
See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



David Piecuch  
UL Mark Certification Program Manager

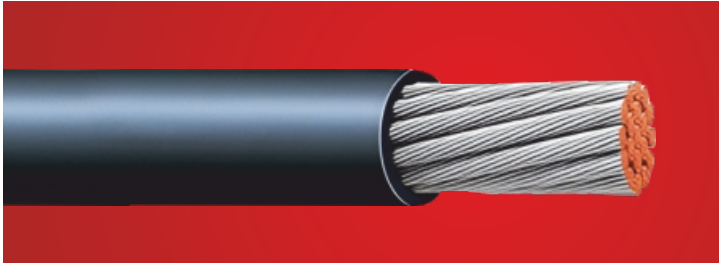


Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

## INDEX

| CABLE                                                                   | PAGE |
|-------------------------------------------------------------------------|------|
| Svarn SIS cable 18AWG — 1000MCM<br>600Volts, 90°C Dry and Wet           | 9    |
| Svarn RHH or RHW-2 14AWG — 500MCM<br>600 or 1000Volts, 90°C Dry and Wet | 10   |
| Svarn XHHW-2 14AWG — 750MCM<br>600 or 1000Volts, 90°C Dry and Wet       | 11   |
| Svarn RHH or RHW-2 CU 14AWG — 750MCM<br>2000Volts, 90°C Dry and Wet     | 12   |
| Svarn XHHW-2 AL 8AWG — 1000MCM<br>600 or 1000Volts, 90°C Dry and Wet    | 13   |
| Svarn RHH or RHW-2 8AWG — 1000MCM<br>2000Volts, 90°C Dry and Wet        | 14   |
| Svarn PV Wire UL 4703 — Copper                                          | 15   |
| Svarn PV Wire UL 4703 — Al Alloy                                        | 16   |
| Svarn Duplex Aluminum Conductor 600V URD                                | 17   |
| Svarn Triplex Aluminum Conductor 600V URD                               | 18   |
| Svarn Quadruplex Aluminum Conductor 600V URD                            | 19   |
| Svarn Aluminium Mobile Home Feeder Cable                                | 20   |
| Aluminum Service Entrance Cable<br>Type SE Style R (SER), 600V 90°C     | 21   |

## Svarn SIS cable 18AWG- 1000MCM, 600Volts, 90°C Dry and Wet



Svarn SIS cables are suitable for various switchboard wiring as well as panel boards, distribution boards and industrial applications. These cables may be installed in wet or dry locations.

### CABLE STRUCTURE

- Annealed tinned copper conductor or bare copper conductor.
- Chemically Cross linked polyethylene insulation (Any colour except clear)

### TECHNICAL DATA

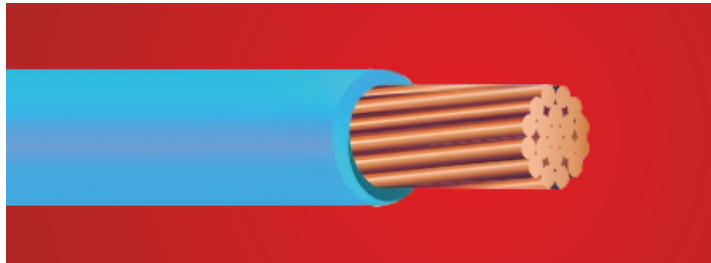
- Nominal voltage : 600 Volts
- Temperature range : 90°C Dry and Wet
- As per UL 44 Standard specification
- UL Approval E531809

### FEATURES

- UV resistant
- Sunlight resistant
- Flame & fire retardant FT2
- Heat & moisture Resistant
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant II
- ROHS compliant
- CT Rated (1/0 or larger size)

| PART NUMBER    | NOMINAL CROSS SECTIONAL AREA | INSULATION THICKNESS | MINIMUM OVERALL DIAMETER | NOMINAL WEIGHT |
|----------------|------------------------------|----------------------|--------------------------|----------------|
|                | AWG                          | mils(mm)             | Inch(mm)                 | Lbs/Kft        |
| FGCBPIS14AWG   | 18                           | 30(0.76)             | 0.108(2.74)              | 9.1            |
| FGCBSIS12AWG   | 16                           | 30(0.76)             | 0.118(2.99)              | 13.2           |
| FGCBPIS14AWG   | 14                           | 30(0.76)             | 0.133(3.37)              | 19.1           |
| FGCBSIS12AWG   | 12                           | 30(0.76)             | 0.152(3.86)              | 27.1           |
| FGCBPIS10AWG   | 10                           | 30(0.76)             | 0.175(4.45)              | 41.1           |
| FGCBPIS8AWG    | 8                            | 45(1.14)             | 0.236(5.99)              | 68.3           |
| FGCBPIS6AWG    | 6                            | 45(1.14)             | 0.273(6.93)              | 101.2          |
| FGCBPIS4AWG    | 4                            | 45(1.14)             | 0.32(8.12)               | 154.2          |
| FGCBPIS2AWG    | 2                            | 45(1.14)             | 0.379(9.62)              | 237.3          |
| FGCBPIS1AWG    | 1                            | 55(1.40)             | 0.437(11.09)             | 298            |
| FGCBPIS1/0AWG  | 1/0                          | 55(1.40)             | 0.476(12.29)             | 371            |
| FGCBPIS2/0AWG  | 2/0                          | 55(1.40)             | 0.521(13.50)             | 462            |
| FGCBPIS3/0AWG  | 3/0                          | 55(1.40)             | 0.571(14.50)             | 575.04         |
| FGCBPIS4/0AWG  | 4/0                          | 55(1.40)             | 0.627(15.92)             | 717.2          |
| FGCBPIS250MCM  | 250MCM                       | 65(1.65)             | 0.695(17.92)             | 852.2          |
| FGCBPIS350MCM  | 350MCM                       | 65(1.65)             | 0.798(20.26)             | 1176.03        |
| FGCBPIS500MCM  | 500MCM                       | 65(1.65)             | 0.927(23.54)             | 1659.2         |
| FGCBPIS750MCM  | 750MCM                       | 80(2.03)             | 1.137(28.87)             | 2480.1         |
| FGCBPIS1000MCM | 1000MCM                      | 80(2.03)             | 1.287(32.68)             | 3279.08        |

## Svarn RHH or RHW-2 14AWG -500MCM, 600 or 1000Volts, 90°C Dry and Wet



Svarn RHH or RHW-2 cables is suitable for various commercial and industrial applications. These cables may be installed in wet or dry locations, indoors or outdoors, in raceways, round ducts (ask about our preinstalled cable-in-conduit products), aerial or direct buried.

### CABLE STRUCTURE

- Annealed bare copper conductor class-B as per ASTM B3 and B8
- Chemically Cross linked polyethylene insulation (Any colour except clear)

### TECHNICAL DATA

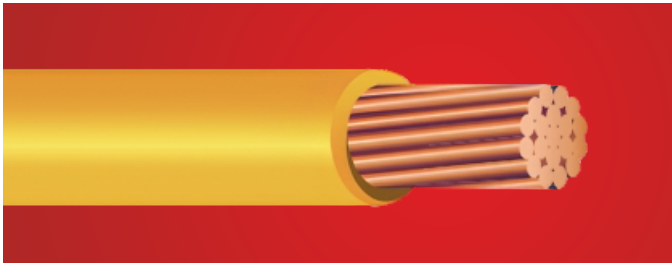
- Nominal voltage : 600 Volts or 1000Volts
- Temperature range : 90°C Dry and Wet
- As per UL 44 Standard specification
- UL Approval E531809

### FEATURES

- Used in harsh weather conditions (UV Resistance)
- Sunlight resistant
- Flame & fire retardant Ft2
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant II
- ROHS compliant
- CT Rated (1/0 or larger size)

| PART NUMBER   | NOMINAL CROSS SECTIONAL AREA | INSULATION THICKNESS | MINIMUM OVERALL DIAMETER | NOMINAL WEIGHT |
|---------------|------------------------------|----------------------|--------------------------|----------------|
|               | AWG                          | mils(mm)             | Inch(mm)                 | Lbs/Kft        |
| FGCBPRH14AWG  | 14                           | 45(1.1)              | 0.170(4.3)               | 22.5           |
| FGCBPRH12AWG  | 12                           | 45(1.1)              | 0.190(4.8)               | 30.5           |
| FGCBPRH10AWG  | 10                           | 45(1.1)              | 0.215(5.5)               | 44.5           |
| FGCBPRH8AWG   | 8                            | 60(1.5)              | 0.275(7.0)               | 72.5           |
| FGCBPRH6AWG   | 6                            | 60(1.5)              | 0.310(7.9)               | 106.5          |
| FGCBPRH4AWG   | 4                            | 60(1.5)              | 0.360(9.1)               | 160.5          |
| FGCBPRH2AWG   | 2                            | 60(1.5)              | 0.420(10.7)              | 243.5          |
| FGCBPRH1AWG   | 1                            | 80(2.0)              | 0.500(12.7)              | 311.5          |
| FGCBPRH1/0AWG | 1/0                          | 80(2.0)              | 0.540(13.7)              | 387.5          |
| FGCBPRH2/0AWG | 2/0                          | 80(2.0)              | 0.585(14.9)              | 492.5          |
| FGCBPRH3/0AWG | 3/0                          | 80(2.0)              | 0.635(16.1)              | 611.5          |
| FGCBPRH4/0AWG | 4/0                          | 80(2.0)              | 0.695(17.7)              | 740.5          |
| FGCBPRH250MCM | 250MCM                       | 95(2.4)              | 0.770(19.6)              | 882.5          |
| FGCBPRH350MCM | 350MCM                       | 95(2.4)              | 0.875(22.2)              | 1213.5         |
| FGCBPRH500MCM | 500MCM                       | 95(2.4)              | 1.005(25.5)              | 1702.5         |

## Svarn XHHW-2 14AWG -750MCM, 600 or 1000Volts, 90°C Dry and Wet



Svarn XHHW-2 cables is suitable for various commercial and industrial applications. These cables may be installed in wet or dry locations, indoors or outdoors, in raceways, underground ducts (ask about our preinstalled cable-in-conduit products), aerial or direct buried.

### CABLE STRUCTURE

- Annealed bare copper conductor class-B as per ASTM B3 and B8
- Chemically Cross linked polyethylene insulation (Any colour except clear)

### TECHNICAL DATA

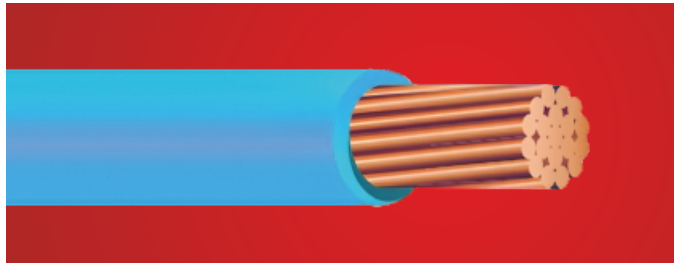
- Nominal voltage : 600 Volts or 1000Volts
- Temperature range : 90°C Dry and Wet
- As per UL 44 Standard specification
- UL Approval E531809

### FEATURES

- Used in harsh weather conditions (UV Resistance)
- Sunlight resistant
- Flame & fire retardant Ft2
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant II
- ROHS compliant
- CT Rated (1/0 or larger size)

| PART NUMBER       | NOMINAL CROSS SECTIONAL AREA | INSULATION THICKNESS | MINIMUM OVERALL DIAMETER | NOMINAL WEIGHT |
|-------------------|------------------------------|----------------------|--------------------------|----------------|
|                   | AWG                          | mils(mm)             | Inch(mm)                 | Lbs/Kft        |
| FGCBPXHHW-214AWG  | 14                           | 30(0.762)            | 0.131(3.32)              | 18             |
| FGCBPXHHW-212AWG  | 12                           | 30(0.762)            | 0.151(3.83)              | 27             |
| FGCBPXHHW-210AWG  | 10                           | 30(0.762)            | 0.174(4.41)              | 40             |
| FGCBPXHHW-28AWG   | 8                            | 30(0.762)            | 0.234(5.94)              | 66             |
| FGCBPXHHW-26AWG   | 6                            | 45(1.143)            | 0.271(6.88)              | 95             |
| FGCBPXHHW-24AWG   | 4                            | 45(1.143)            | 0.319(8.10)              | 145            |
| FGCBPXHHW-23AWG   | 3                            | 45(1.143)            | 0.347(8.81)              | 185            |
| FGCBPXHHW-22AWG   | 2                            | 45(1.143)            | 0.379(9.62)              | 225            |
| FGCBPXHHW-21AWG   | 1                            | 45(1.143)            | 0.439(11.15)             | 290            |
| FGCBPXHHW-21/0AWG | 1/0                          | 55(1.397)            | 0.472(11.98)             | 361            |
| FGCBPXHHW-22/0AWG | 2/0                          | 55(1.397)            | 0.516 (13.10)            | 450            |
| FGCBPXHHW-23/0AWG | 3/0                          | 55(1.397)            | 0.566(14.37)             | 561            |
| FGCBPXHHW-24/0AWG | 4/0                          | 55(1.397)            | 0.622(15.79)             | 718            |
| FGCBPXHHW-2250MCM | 250MCM                       | 65(1.651)            | 0.688(17.47)             | 847            |
| FGCBPXHHW-2300MCM | 300MCM                       | 65(1.651)            | 0.735(18.66)             | 1006           |
| FGCBPXHHW-2350MCM | 350MCM                       | 65(1.651)            | 0.791(20.09)             | 1169           |
| FGCBPXHHW-2400MCM | 400MCM                       | 65(1.651)            | 0.836(21.23)             | 1329           |
| FGCBPXHHW-2500MCM | 500MCM                       | 65(1.651)            | 0.919(23.34)             | 1646           |
| FGCBPXHHW-2600MCM | 600MCM                       | 80(2.032)            | 1.026(26.06)             | 2051           |
| FGCBPXHHW-2750MCM | 750MCM                       | 80(2.032)            | 1.128(28.65)             | 2532           |

## Svarn RHH or RHW-2 CU 14AWG -750MCM, 2000Volts, 90°C Dry and Wet



Svarn RHH or RHW-2 cables is suitable for various commercial and industrial applications. These cables may be installed in wet or dry locations, indoors or outdoors, in raceways, underground ducts (ask about our preinstalled cable-in-conduit products), aerial or direct buried.

### CABLE STRUCTURE

- Annealed bare copper conductor class-B as per ASTM B3 and B8
- Chemically Cross linked polyethylene insulation (Any colour except clear)

### TECHNICAL DATA

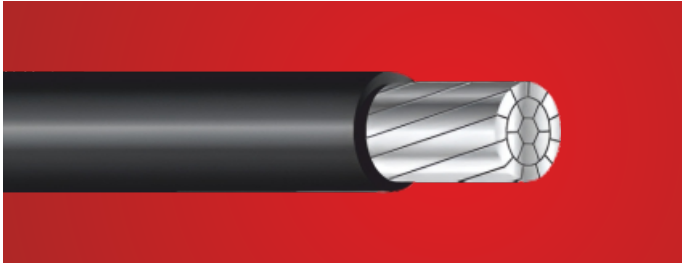
- Nominal voltage : 2000 Volts
- Temperature range : 90°C Dry and Wet
- As per UL 44 Standard specification
- UL Approval E531809

### FEATURES

- Used in harsh weather conditions (UV Resistance)
- Sunlight resistant
- Flame & fire retardant Ft2
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant II
- ROHS compliant
- CT Rated (1/0 or larger size)

| PART NUMBER   | NOMINAL CROSS SECTIONAL AREA | INSULATION THICKNESS | MINIMUM OVERALL DIAMETER | NOMINAL WEIGHT |
|---------------|------------------------------|----------------------|--------------------------|----------------|
|               | AWG                          | mils(mm)             | Inch(mm)                 | Lbs/Kft        |
| FGCBPRH6AWG   | 14                           | 60(1.524)            | 0.191(4.85)              | 24             |
| FGCBPRH4AWG   | 12                           | 60(1.524)            | 0.211(5.35)              | 33             |
| FGCBPRH3AWG   | 10                           | 60(1.524)            | 0.234(5.94)              | 46             |
| FGCBPRH8AWG   | 8                            | 70(1.778)            | 0.284(7.21)              | 73             |
| FGCBPRH6AWG   | 6                            | 70(1.778)            | 0.321(8.15)              | 106            |
| FGCBPRH4AWG   | 4                            | 70(1.778)            | 0.369(9.37)              | 156            |
| FGCBPRH3AWG   | 3                            | 70(1.778)            | 0.397(10.08)             | 195            |
| FGCBPRH2AWG   | 2                            | 70(1.778)            | 0.429(10.89)             | 236            |
| FGCBPRH1AWG   | 1                            | 90(2.286)            | 0.509(12.92)             | 311            |
| FGCBPRH1/0AWG | 1/0                          | 90(2.286)            | 0.542(13.76)             | 379            |
| FGCBPRH2/0AWG | 2/0                          | 90(2.286)            | 0.586(14.88)             | 468            |
| FGCBPRH3/0AWG | 3/0                          | 90(2.286)            | 0.636(16.15)             | 576            |
| FGCBPRH4/0AWG | 4/0                          | 90(2.286)            | 0.692(17.57)             | 722            |
| FGCBPRH250MCM | 250MCM                       | 105(2.667)           | 0.768(19.5)              | 863            |
| FGCBPRH300MCM | 300MCM                       | 105(2.667)           | 0.815(20.71)             | 1028           |
| FGCBPRH350MCM | 350MCM                       | 105(2.667)           | 0.871(22.12)             | 1179           |
| FGCBPRH400MCM | 400MCM                       | 105(2.667)           | 0.916(23.26)             | 1345           |
| FGCBPRH500MCM | 500MCM                       | 105(2.667)           | 0.999(25.37)             | 1652           |
| FGCBPRH600MCM | 600MCM                       | 120(3.048)           | 1.106(28.09)             | 1988           |
| FGCBPRH750MCM | 750MCM                       | 120(3.048)           | 1.208(30.68)             | 2492           |

## Svarn XHHW-2 AL 8AWG -1000MCM, 600 or 1000Volts, 90°C Dry and Wet



Svarn XHHW-2 cables is suitable for various commercial and industrial applications. These cables may be installed in wet or dry locations, indoors or outdoors, in raceways, underground ducts (ask about our preinstalled cable-in-conduit products), aerial or direct buried.

### CABLE STRUCTURE

- Annealed bare conductor class-B compact stranded as per ASTM B836/B8301
- Chemically Cross linked polyethylene insulation (Any colour except clear)

### TECHNICAL DATA

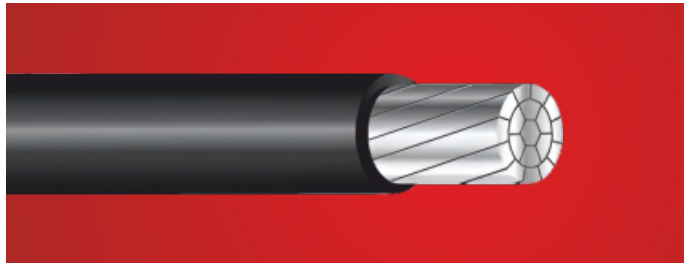
- Nominal voltage : 600 or 1000 Volts
- Temperature range : 90°C Dry and Wet
- As per UL 44 Standard specification
- UL Approval E531809

### FEATURES

- Used in harsh weather conditions (UV Resistance)
- Sunlight resistant
- Flame & fire retardant Ft2
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant II
- ROHS compliant
- CT Rated (1/0 or larger size)

| PART NUMBER        | NOMINAL CROSS SECTIONAL AREA | INSULATION THICKNESS | MINIMUM OVERALL DIAMETER | NOMINAL WEIGHT |
|--------------------|------------------------------|----------------------|--------------------------|----------------|
|                    | AWG                          | mils(mm)             | Inch(mm)                 | Lbs/Kft        |
| FGCBPXHHW-28AWG    | 8                            | 45(1.143)            | 0.224(5.68)              | 27.5           |
| FGCBPXHHW-26AWG    | 6                            | 45(1.143)            | 0.259(6.570)             | 38.5           |
| FGCBPXHHW-24AWG    | 4                            | 45(1.143)            | 0.303(7.690)             | 56.5           |
| FGCBPXHHW-23AWG    | 3                            | 45(1.143)            | 0.328(8.33)              | 67.5           |
| FGCBPXHHW-22AWG    | 2                            | 45(1.143)            | 0.358(9.09)              | 82.5           |
| FGCBPXHHW-21AWG    | 1                            | 55(1.397)            | 0.409(10.38)             | 107.5          |
| FGCBPXHHW-21/OAWG  | 1/0                          | 55(1.397)            | 0.446(11.32)             | 130.5          |
| FGCBPXHHW-22/OAWG  | 2/0                          | 55(1.397)            | 0.486(12.34)             | 158.5          |
| FGCBPXHHW-23/OAWG  | 3/0                          | 55(1.397)            | 0.533(13.53)             | 194.5          |
| FGCBPXHHW-24/OAWG  | 4/0                          | 55(1.397)            | 0.585(14.85)             | 239.5          |
| FGCBPXHHW-2250MCM  | 250MCM                       | 65(1.524)            | 0.644(16.35)             | 286.5          |
| FGCBPXHHW-2300MCM  | 300MCM                       | 65(1.524)            | 0.696(17.67)             | 339.5          |
| FGCBPXHHW-2350MCM  | 350MCM                       | 65(1.524)            | 0.737(18.71)             | 389.5          |
| FGCBPXHHW-2400MCM  | 400MCM                       | 65(1.524)            | 0.789(20.04)             | 442.5          |
| FGCBPXHHW-2500MCM  | 500MCM                       | 65(1.524)            | 0.866(21.99)             | 543.5          |
| FGCBPXHHW-2600MCM  | 600MCM                       | 80(2.032)            | 0.973(24.71)             | 664.5          |
| FGCBPXHHW-2750MCM  | 750MCM                       | 80(2.032)            | 1.068(27.12)             | 816.5          |
| FGCBPXHHW-21000MCM | 1000MCM                      | 80(2.032)            | 1.22(30.98)              | 1067.5         |

## Svarn RHH or RHW-2 8AWG -1000MCM, 2000Volts, 90°C Dry and Wet



Svarn RHH or RHW-2 cables is suitable for various commercial and industrial applications. These cables may be installed in wet or dry locations, indoors or outdoors, in raceways, underground ducts (ask about our preinstalled cable-in-conduit products), aerial or direct buried.

### CABLE STRUCTURE

- Annealed bare aluminium conductor class-B compact stranded as per ASTM
- Chemically Cross linked polyethylene insulation (Any colour except clear)

### TECHNICAL DATA

- Nominal voltage : 2000 Volts
- Temperature range : 90°C Dry and Wet
- As per UL 44 Standard specification
- UL Approval E531809

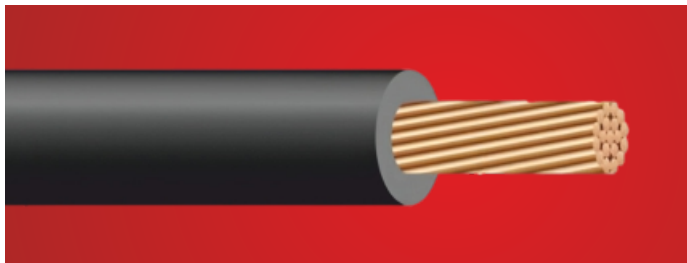
### FEATURES

- Used in harsh weather conditions (UV Resistance)
- Sunlight resistant
- Flame & fire retardant Ft2
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant II
- ROHS compliant
- CT Rated (1/0 or larger size)

| PART NUMBER    | NOMINAL CROSS SECTIONAL AREA | INSULATION THICKNESS | MINIMUM OVERALL DIAMETER | NOMINAL WEIGHT |
|----------------|------------------------------|----------------------|--------------------------|----------------|
|                | AWG                          | mils(mm)             | Inch(mm)                 | Lbs/Kft        |
| FGCBPRH8AWG    | 8                            | 70(1.778)            | 0.274(6.9)               | 36             |
| FGCBPRH6AWG    | 6                            | 70(1.778)            | 0.309(7.8)               | 48             |
| FGCBPRH4AWG    | 4                            | 70(1.778)            | 0.353(8.9)               | 67             |
| FGCBPRH3AWG    | 3                            | 70(1.778)            | 0.378(9.6)               | 79             |
| FGCBPRH2AWG    | 2                            | 70(1.778)            | 0.408(10.36)             | 96             |
| FGCBPRH1AWG    | 1                            | 90(2.286)            | 0.479(12.1)              | 128            |
| FGCBPRH1/0AWG  | 1/0                          | 90(2.286)            | 0.516(13.1)              | 153            |
| FGCBPRH2/0AWG  | 2/0                          | 90(2.286)            | 0.556(14.1)              | 175            |
| FGCBPRH3/0AWG  | 3/0                          | 90(2.286)            | 0.603(15.3)              | 220            |
| FGCBPRH4/0AWG  | 4/0                          | 90(2.286)            | 0.655(16.6)              | 270            |
| FGCBPRH250MCM  | 250MCM                       | 105(2.667)           | 0.724(18.38)             | 330            |
| FGCBPRH300MCM  | 300MCM                       | 105(2.667)           | 0.776(19.7)              | 380            |
| FGCBPRH350MCM  | 350MCM                       | 105(2.667)           | 0.817(20.7)              | 430            |
| FGCBPRH400MCM  | 400MCM                       | 105(2.667)           | 0.869(22.07)             | 490            |
| FGCBPRH500MCM  | 500MCM                       | 105(2.667)           | 0.946(24.02)             | 600            |
| FGCBPRH600MCM  | 600MCM                       | 120(3.048)           | 1.053(26.74)             | 720            |
| FGCBPRH750MCM  | 750MCM                       | 120(3.048)           | 1.148(29.15)             | 880            |
| FGCBPRH1000MCM | 1000MCM                      | 120(3.048)           | 1.3(33.02)               | 1140           |

## Svarn PV Wire UL 4703 – Copper

**Svarn UL 4703 photovoltaic wires** are widely used in photovoltaic power generation systems and are efficient, reliable



and safe wires and cables. It can help photovoltaic systems achieve efficient energy conversion and distribution, ensure the smooth operation of photovoltaic power generation systems, reduce energy costs, and improve power generation efficiency. These power cables are suited for use in wet and dry areas, conduits, ducts, troughs, trays, direct burial, and where superior electrical properties are desired.

### CABLE STRUCTURE

- Conductor: Class B compressed stranded bare copper per ASTM B3 and ASTM B8
- Insulation: Cross Linked Polyethylene (XLPE) (Any colour except clear)

### TECHNICAL DATA

- Temperature Rating: -40°C to +90°C
- Rated Voltage: 1000/2000 V
- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- CSA C22.2 No. 38 Thermoset-insulated wires and cables
- RoHS Compliant Lead-Free, Silicone-Free
- CSA Standard C22.2 No. 271 PV Cables

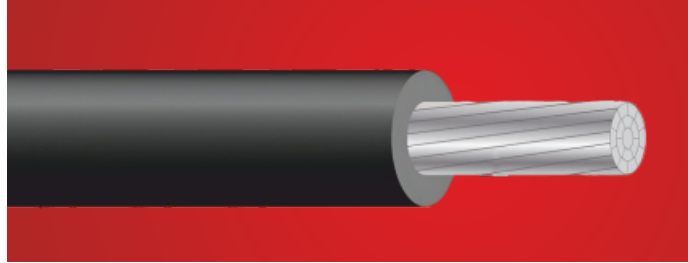
### FEATURES

- Low temperature, single copper conductor
- Moisture resisting cross linked polyethylene insulation
- Sunlight resistant.
- Meets the current RoHS requirements

| Cond. Size | Strand | Insul. Thickness | Approx. OD | Approx. Weight | Min Bending radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Resistance @ 60Hz | Allowable Ampacity in Raceway 90°C |
|------------|--------|------------------|------------|----------------|--------------------|------------------|----------------------|----------------------|-----------------------------|------------------------------------|
| AWG        | No.    | mm               | mm         | kg/km          | mm                 | newton           | Ω/km                 | Ω/km                 | Ω/km                        | Amp                                |
| 14         | 7      | 1.52             | 4.83       | 36             | 17.78              | 147              | 8.63                 | 10.40                | 0.1903                      | 25                                 |
| 12         | 7      | 1.52             | 5.28       | 51             | 20.32              | 231              | 5.45                 | 6.57                 | 0.1772                      | 30                                 |
| 10         | 19     | 1.52             | 5.92       | 68             | 22.86              | 369              | 3.41                 | 4.11                 | 0.164                       | 40                                 |
| 10         | 19     | 1.52             | 5.92       | 68             | 22.86              | 369              | 3.41                 | 4.11                 | 0.164                       | 40                                 |
| 8          | 7      | 2.03             | 7.65       | 116            | 30.48              | 587              | 2.14                 | 2.58                 | 0.1706                      | 55                                 |
| 8          | 19     | 2.03             | 8.03       | 116            | 30.48              | 587              | 2.14                 | 2.58                 | 0.1706                      | 55                                 |
| 6          | 7      | 2.03             | 8.56       | 170            | 33.02              | 930              | 1.35                 | 1.62                 | 0.1673                      | 75                                 |
| 4          | 7      | 2.03             | 9.78       | 249            | 38.1               | 1482             | 0.85                 | 1.02                 | 0.1575                      | 95                                 |
| 2          | 7      | 2.03             | 11.23      | 374            | 43.18              | 2359             | 0.53                 | 0.64                 | 0.1476                      | 130                                |
| 1          | 19     | 2.41             | 13         | 479            | 50.8               | 2977             | 0.42                 | 0.51                 | 0.1509                      | 145                                |
| 1/0        | 19     | 2.41             | 14         | 588            | 55.88              | 3756             | 0.33                 | 0.40                 | 0.1444                      | 170                                |
| 2/0        | 19     | 2.41             | 15.11      | 725            | 58.42              | 4735             | 0.27                 | 0.32                 | 0.1411                      | 195                                |
| 3/0        | 19     | 2.41             | 16.41      | 897            | 63.5               | 5972             | 0.21                 | 0.26                 | 0.1378                      | 225                                |
| 4/0        | 19     | 2.41             | 17.83      | 1112           | 71.12              | 7529             | 0.17                 | 0.20                 | 0.1345                      | 260                                |
| 250        | 37     | 2.79             | 19.76      | 1326           | 78.74              | 8900             | 0.14                 | 0.17                 | 0.1345                      | 290                                |
| 350        | 37     | 2.79             | 22.38      | 1814           | 88.9               | 12460            | 0.1                  | 0.13                 | 0.1312                      | 350                                |
| 500        | 37     | 2.79             | 25.63      | 2537           | 127                | 17800            | 0.07                 | 0.10                 | 0.1280                      | 430                                |
| 600        | 61     | 3.18             | 28.32      | 3058           | 138.7              | 21360            | 0.06                 | 0.08                 | 0.1280                      | 475                                |
| 700        | 61     | 3.18             | 30.94      | 3778           | 152.4              | 26700            | 0.05                 | 0.07                 | 0.1247                      | 535                                |
| 1000       | 61     | 3.18             | 34.72      | 4973           | 172.72             | 35600            | 0.04                 | 0.06                 | 0.1214                      | 615                                |

## Svarn PV Wire UL 4703 – Al Alloy

**Svarn UL 4703 photovoltaic wires** are widely used in photovoltaic power generation systems and are efficient, reliable and safe wires and cables. It can help photovoltaic systems achieve efficient energy conversion and distribution, ensure the smooth operation of photovoltaic power generation systems, reduce energy costs, and improve power generation efficiency. These power cables are suited for use in wet and dry areas, conduits, ducts, troughs, trays, direct burial, aerial supported by a messenger, and where superior electrical properties are desired.



### CABLE STRUCTURE

- Conductor: Compact Stranded Aluminum Alloy (AA-8176).
- Insulation: Cross Linked Polyethylene (XLPE) (Any colour except clear)

### TECHNICAL DATA

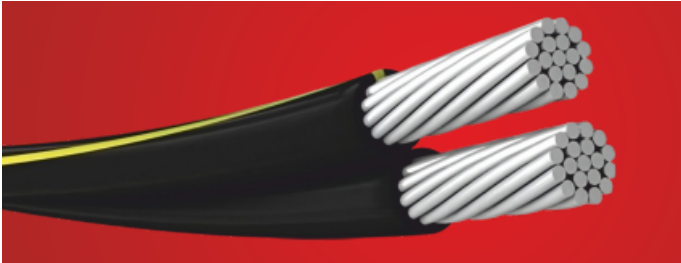
- Temperature Rating: -40°C to 90°C
- Rated Voltage: 2000 V
- Cold bend and impact: -40°C
- ASTM B836 Compact Rounded Stranded Aluminum Conductors
- CSA C22.2 No. 38 Thermoset-insulated wires and cables
- FT1 Flame Test (1,706 BTU/Hr nominal - Vertical Wire Flame Test)
- RoHS Compliant Lead-Free, Silicone-Free
- AA 8176 Stranded Aluminum Alloy Conductors
- CSA Standard C22.2 No. 271 Photovoltaic Cables

### FEATURES

- Moisture resisting and low temperature single aluminum conductor
- Cross linked polyethylene (XLPE) insulation
- Sunlight resistant
- This product meets the current RoHS requirements

| Cond. Size | Strand | Insul. Thickness | Approx. OD | Approx. Weight | Min Bending radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Resistance @ 60Hz | Allowable Ampacity in Raceway 90°C |
|------------|--------|------------------|------------|----------------|--------------------|------------------|----------------------|----------------------|-----------------------------|------------------------------------|
| AWG/Kcmil  | No.    | mm               | mm         | kg/km          | mm                 | newton           | Ω/km                 | Ω/km                 | Ω/km                        | Amp                                |
| 2          | 7      | 2.03             | 10.87      | 159            | 43.18              | 1771             | 0.88                 | 1.05                 | 0.1476                      | 100                                |
| 1          | 19     | 2.41             | 12.40      | 207            | 48.26              | 2234             | 0.69                 | 0.83                 | 0.1509                      | 115                                |
| 1/0        | 19     | 2.41             | 13.36      | 247            | 53.34              | 2817             | 0.55                 | 0.66                 | 0.1444                      | 135                                |
| 2/0        | 19     | 2.41             | 14.38      | 295            | 55.88              | 3551             | 0.44                 | 0.52                 | 0.1411                      | 150                                |
| 3/0        | 19     | 2.41             | 15.54      | 354            | 60.96              | 4477             | 0.34                 | 0.41                 | 0.1378                      | 175                                |
| 4/0        | 19     | 2.41             | 16.87      | 427            | 66.04              | 5647             | 0.28                 | 0.33                 | 0.1345                      | 205                                |
| 250        | 35     | 2.79             | 18.80      | 518            | 73.66              | 6675             | 0.23                 | 0.28                 | 0.1345                      | 230                                |
| 300        | 35     | 2.79             | 20.37      | 629            | 81.26              | 8010             | 0.19                 | 0.23                 | 0.1345                      | 260                                |
| 350        | 35     | 2.79             | 21.23      | 701            | 83.82              | 9345             | 0.16                 | 0.20                 | 0.1312                      | 280                                |
| 400        | 35     | 2.79             | 22.33      | 765            | 88.9               | 10680            | 0.14                 | 0.18                 | 0.1312                      | 305                                |
| 500        | 34     | 2.79             | 24.54      | 958            | 96.52              | 13350            | 0.11                 | 0.14                 | 0.128                       | 350                                |
| 600        | 41     | 3.18             | 26.80      | 1146           | 132.08             | 16020            | 0.1                  | 0.12                 | 0.128                       | 385                                |
| 750        | 53     | 3.18             | 29.72      | 1409           | 147.32             | 20025            | 0.08                 | 0.10                 | 0.1247                      | 435                                |
| 1000       | 58     | 3.18             | 33.27      | 1760           | 165.1              | 26700            | 0.06                 | 0.08                 | 0.1214                      | 500                                |

## Svarn Duplex Aluminum Conductor 600V URD



**Svarn Duplex Aluminum 600V URD** cable is designed for use in secondary distribution circuits, where installed in duct or direct burial applications. Maximum operating temperature is not to exceed 90°C in wet and dry locations. This cable can be provided pre-pulled into duct, as an option.

### CABLE STRUCTURE

- Concentric stranded aluminum conductor
- Phase Conductors — Black sunlight resistant cross-linked polyethylene (XLPE) insulation
- Neutral Conductors — Black XLPE with 3 extruded yellow stripes

### ASSEMBLY

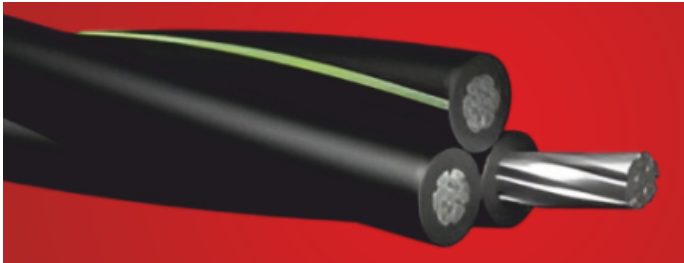
Conductors are cabled together, with surface printing for identification. The neutral conductor has a yellow stripe and sequential footage markings.

### SPECIFICATIONS

- ASTM B-230 Aluminium 1350-H19 Wire for Electrical Purposes
- ASTM B-231 Concentric-Lay-Stranded Aluminium 1350 Conductors
- ASTM B-609 Aluminium 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes
- ASTM B-901 Compressed Round Stranded Aluminium Conductors Using Single Input Wire Construction
- 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables
- Federal Specification A-A-59544A
- UL 854 Service-Entrance Cables, Sunlight Resistant
- RUS Accepted
- UL Approval E539104

| Code word | Phase Conductors |        |                  | Neutral |        |                  | Diameter               |                | Weight  | Ampacity      |         |
|-----------|------------------|--------|------------------|---------|--------|------------------|------------------------|----------------|---------|---------------|---------|
|           | Size             | Strand | Insul. Thickness | Size    | Strand | Insul. Thickness | Single Phase Conductor | Complete Cable | Lbs/Kft | Direct Burial | In Duct |
|           | AWG              | No.    | Inches           | AWG     | No.    | Inches           | Inches                 | Inches         |         | Amp           | Amp     |
| Bard      | 8                | 7      | 0.60             | 8       | 7      | 0.60             | 0.26                   | 0.52           | 69      | 70            | 55      |
| Claffin   | 6                | 7      | 0.60             | 6       | 7      | 0.60             | 0.3                    | 0.6            | 95      | 95            | 70      |
| Delgado   | 4                | 7      | 0.60             | 4       | 7      | 0.60             | 0.35                   | 0.69           | 135     | 125           | 90      |
| Everett   | 2                | 7      | 0.60             | 2       | 7      | 0.60             | 0.4                    | 0.8            | 189     | 165           | 120     |

## Svarn Triplex Aluminum Conductor 600V URD



**Svarn Triplex Aluminium 600V URD** cable is designed for use in secondary distribution circuits, where installed in duct or direct burial applications. Maximum operating temperature is not to exceed 90°C in wet and dry locations. This cable can be provided pre-pulled into duct, as an option.

### CABLE STRUCTURE

- Concentric stranded aluminum conductor
- Phase Conductors — Black sunlight resistant cross-linked polyethylene (XLP) insulation

### ASSEMBLY

Two phase conductors and the neutral are cabled together, with surface printing for identification. The neutral conductor has a yellow stripe and sequential footage markings.

### SPECIFICATIONS

- ASTM B-230 Aluminium 1350-H19 Wire for Electrical Purposes
- ASTM B-231 Concentric-Lay-Stranded Aluminium 1350 Conductors
- ASTM B-609 Aluminium 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes
- UL 854 Service-Entrance Cables, Sunlight Resistant
- UL Approval E539104

| Code word  | Phase Conductors |        |                  | Neutral   |        |                  | Diameter               |                | Weight  | Ampacity      |         |
|------------|------------------|--------|------------------|-----------|--------|------------------|------------------------|----------------|---------|---------------|---------|
|            | Size             | Strand | Insul. Thickness | Size      | Strand | Insul. Thickness | Single Phase Conductor | Complete Cable | Lbs/Kft | Direct Burial | In Duct |
|            | AWG/Kcmil        | No.    | Inches           | AWG/Kcmil | No.    | Inches           | Inches                 | Inches         |         | Amp           | Amp     |
| Erskine    | 6                | 7      | 0.060            | 6         | 7      | 0.060            | 0.30                   | 0.64           | 143     | 95            | 70      |
| Vassar     | 4                | 7      | 0.060            | 4         | 7      | 0.060            | 0.35                   | 0.75           | 202     | 125           | 90      |
| Stephens   | 2                | 7      | 0.060            | 4         | 7      | 0.060            | 0.40                   | 0.87           | 262     | 165           | 120     |
| Ramapo     | 2                | 7      | 0.060            | 2         | 7      | 0.060            | 0.40                   | 0.87           | 292     | 165           | 120     |
| Brenau     | 1/0              | 19     | 0.080            | 2         | 7      | 0.060            | 0.51                   | 1.11           | 406     | 215           | 160     |
| Bergen     | 1/0              | 19     | 0.080            | 1/0       | 19     | 0.080            | 0.51                   | 1.11           | 463     | 215           | 160     |
| Converse   | 2/0              | 19     | 0.080            | 1         | 19     | 0.080            | 0.56                   | 1.20           | 501     | 245           | 180     |
| Hunter     | 2/0              | 19     | 0.080            | 2/0       | 19     | 0.080            | 0.56                   | 1.20           | 559     | 245           | 180     |
| Hollins    | 3/0              | 19     | 0.080            | 1/0       | 19     | 0.080            | 0.60                   | 1.30           | 606     | 280           | 205     |
| Rockland   | 3/0              | 19     | 0.080            | 3/0       | 19     | 0.080            | 0.60                   | 1.30           | 677     | 280           | 205     |
| Sweetbriar | 4/0              | 19     | 0.080            | 2/0       | 19     | 0.080            | 0.66                   | 1.42           | 737     | 315           | 240     |
| Monmouth   | 4/0              | 19     | 0.080            | 4/0       | 19     | 0.080            | 0.66                   | 1.42           | 826     | 315           | 240     |
| Pratt      | 250              | 37     | 0.095            | 3/0       | 19     | 0.080            | 0.75                   | 1.62           | 888     | 345           | 265     |
| Wesleyan   | 350              | 37     | 0.095            | 4/0       | 19     | 0.080            | 0.85                   | 1.84           | 1157    | 415           | 320     |
| Holyoke    | 500              | 37     | 0.095            | 300       | 37     | 0.095            | 0.98                   | 2.12           | 1591    | 495           | 395     |
| Rider      | 500              | 37     | 0.095            | 350       | 37     | 0.095            | 0.98                   | 2.12           | 1646    | 495           | 395     |
| Fairfield  | 750              | 61     | 0.110            | 500       | 37     | 0.095            | 1.19                   | 2.40           | 2289    | 620           | 495     |

# Svarn Quadruplex Aluminum Conductor 600V URD



**Svarn Quadruplex Aluminum 600V URD** cable is designed for use in secondary distribution circuits, where installed in duct or direct burial applications. Maximum operating temperature is not to exceed 90°C in wet and dry locations. This cable can be provided pre-pulled into duct, As an option with ridged phase ID.

## CABLE STRUCTURE

- Concentric stranded aluminum conductor
- Phase Conductors — Black sunlight resistant cross-linked polyethylene (XLPE) insulation
- Neutral Conductors — Black XLPE with 3 extruded yellow stripes

## ASSEMBLY

Three phase conductors and the neutral are cabled together, with surface printing for identification. The neutral conductor has a yellow stripe and sequential footage markings.

## SPECIFICATIONS

- ASTM B-230 Aluminum 1350-H19 Wire for Electrical Purposes
- ASTM B-231 Concentric-Lay-Stranded Aluminum 1350 Conductors
- ASTM B-609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes
- ASTM B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction
- ICEA S-105-692 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables
- Federal Specification A-A-59544A
- UL 854 Service-Entrance Cables, Sunlight Resistant
- RUS Accepted
- UL Approval E539104

| Code word     | Phase Conductors |        |                  | Neutral   |        |                  | Diameter               |                | Weight  | Ampacity      |         |
|---------------|------------------|--------|------------------|-----------|--------|------------------|------------------------|----------------|---------|---------------|---------|
|               | Size             | Strand | Insul. Thickness | Size      | Strand | Insul. Thickness | Single Phase Conductor | Complete Cable | Lbs/Kft | Direct Burial | In Duct |
|               | AWG/Kcmil        | No.    | Inches           | AWG/Kcmil | No.    | Inches           | Inches                 | Inches         |         | Amp           | Amp     |
| Tulsa         | 4                | 7      | 0.060            | 4         | 7      | 0.06             | 0.35                   | 0.83           | 269     | 120           | 85      |
| Dyke          | 2                | 7      | 0.060            | 4         | 7      | 0.06             | 0.40                   | 0.97           | 359     | 155           | 115     |
| Wittenberg    | 2                | 7      | 0.060            | 2         | 7      | 0.06             | 0.40                   | 0.97           | 389     | 155           | 115     |
| Notre Dame    | 1/0              | 19     | 0.080            | 2         | 7      | 0.06             | 0.51                   | 1.24           | 560     | 200           | 150     |
| Purdue        | 1/0              | 19     | 0.080            | 1/0       | 19     | 0.08             | 0.51                   | 1.24           | 617     | 200           | 150     |
| Syracuse      | 2/0              | 19     | 0.080            | 1         | 19     | 0.08             | 0.56                   | 1.34           | 687     | 225           | 170     |
| Lafayette     | 2/0              | 19     | 0.080            | 2/0       | 19     | 0.08             | 0.56                   | 1.34           | 745     | 225           | 170     |
| Swarthmore    | 3/0              | 19     | 0.080            | 1/0       | 19     | 0.08             | 0.60                   | 1.46           | 832     | 250           | 195     |
| Davidson      | 3/0              | 19     | 0.080            | 3/0       | 19     | 0.08             | 0.60                   | 1.46           | 903     | 250           | 195     |
| Wake Forest   | 4/0              | 19     | 0.080            | 2/0       | 19     | 0.08             | 0.66                   | 1.59           | 1012    | 290           | 225     |
| Earlham       | 4/0              | 19     | 0.080            | 4/0       | 19     | 0.08             | 0.66                   | 1.59           | 1101    | 290           | 225     |
| Rust          | 250              | 37     | 0.095            | 3/0       | 19     | 0.08             | 0.75                   | 1.81           | 1215    | 320           | 250     |
| Slippery Rock | 350              | 37     | 0.095            | 4/0       | 19     | 0.08             | 0.85                   | 2.05           | 1598    | 385           | 305     |
| Niagara       | 350              | 37     | 0.095            | 350       | 37     | 0.095            | 0.85                   | 2.08           | 1695    | 385           | 305     |
| Wofford       | 500              | 37     | 0.095            | 350       | 37     | 0.095            | 0.98                   | 2.35           | 2174    | 465           | 370     |
| Windham       | 750              | 61     | 0.110            | 500       | 37     | 0.095            | 1.19                   | 2.78           | 3305    | 580           | 460     |

## Svarn Aluminium Mobile Home Feeder Cable



**Svarn Aluminium Mobile Home Feeder** cable is used to provide power from the electrical disconnect to the panel board in mobile home applications in dry, wet and underground condition. The cable is sunlight resistant and is approved for use in accordance with the National Electric Code in raceways. It is suitable for direct burial. The maximum operating temperature is not to exceed 90°C in wet and dry locations. Voltage rating is 600 volts.

### CABLE STRUCTURE

- Compact stranded AA-8000 series aluminum conductor, per ASTM B-800 & B-801
- Type USE-2/RHH/RHW-2 sunlight resistant cross-linked polyethylene (XLPE) insulation

### ASSEMBLY

Quadrupled conductors including two phase conductors, one neutral and one ground. The neutral conductor is identified by three continuous white longitudinal stripes. The grounding conductor is identified by total green surface coating.

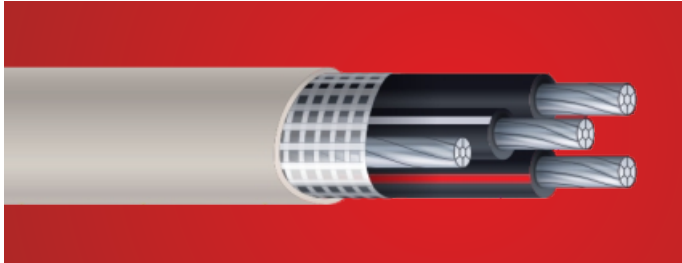
### SPECIFICATIONS

- UL 854 for Type USE-2 Insulated Wire
- National Electrical Code NFPA 70 (NEC)
- ICEA S-95-658/NEMA WC-70
- UL 44 for Type RHH or RHW-2

| Conductor Size  | Insulation Thickness |                   |                           | Overall Diameter |        | Net Weight | Ampacity @ 90°C |
|-----------------|----------------------|-------------------|---------------------------|------------------|--------|------------|-----------------|
|                 | Phase Conductor      | Neutral Conductor | Green Grounding Conductor | Phase Conductor  | Cable  |            |                 |
| AWG             | Inches               | Inches            | Inches                    | Inches           | Inches | Lbs/Kit    | Amp             |
| 2-2-4-6         | 0.060                | 0.060             | 0.060                     | 0.390            | 0.944  | 295        | 100             |
| 2-2-2-4         | 0.060                | 0.060             | 0.060                     | 0.390            | 0.944  | 343        | 100             |
| 2/0,2/0,1,4     | 0.080                | 0.080             | 0.060                     | 0.540            | 1.301  | 548        | 150             |
| 2/0,2/0,2/0,1   | 0.080                | 0.080             | 0.080                     | 0.540            | 1.301  | 666        | 150             |
| 4/0,4/0,2/0,4   | 0.080                | 0.080             | 0.080                     | 0.635            | 1.540  | 778        | 200             |
| 4/0,4/0,4/0,2/0 | 0.080                | 0.080             | 0.080                     | 0.635            | 1.540  | 974        | 200             |

# Aluminum Service Entrance Cable

## Type SE Style R (SER), 600V 90°C



**Svarn Aluminum SER Cable** is primarily used as panel feeder in multiple unit dwellings and for branch circuits. Maximum operating temperature is not to exceed 90°C in wet or dry locations. Voltage rating is 600 volts.

### CABLE STRUCTURE

**Conductors:** 8000 series aluminum alloy, solid or compact stranded

**Insulation:** Type XHHW-2 cross-linked polyethylene (XLPE) insulation

**Jacket:** Gray sunlight resistant polyvinyl chloride (PVC) jacket

### ASSEMBLY

Two, three or four insulated conductors and a bare ground conductor cabled together and covered with a reinforced binder tape

### COLOR CODE

| Cond # | Colour                      |
|--------|-----------------------------|
| 2      | Black and Red               |
| 3      | Black, White, and Red       |
| 4      | Black, White, Red, and Blue |

### STANDARDS

- UL 44: Thermoset-Insulated Wires and Cables
- UL 854: Standard for Service-Entrance Cables
- ASTM B-258, B-800, B-801
- National Electric Code

| Insulated Conductor                |            | Bare Conductor |            | Nominal OD |       | Approx Weight | Allowable Ampacities ** |      |          |
|------------------------------------|------------|----------------|------------|------------|-------|---------------|-------------------------|------|----------|
| Size AWG/kcmil                     | Strand No. | Size AWG/kcmil | Strand No. | Inches     | mm    | lbs/kft       | 75°C                    | 90°C | Dwelling |
| Two Conductor SER plus Bare Ground |            |                |            |            |       |               |                         |      |          |
| 2 x 8                              | 1          | 8              | 1          | 0.550      | 13.97 | 105           | 40                      | 45   | -        |
| 2 x 8                              | 7          | 8              | 7          | 0.550      | 14.20 | 109           | 40                      | 45   | -        |
| 2 x 6                              | 7          | 6              | 7          | 0.630      | 16.00 | 148           | 50                      | 55   | -        |
| 2 x 4                              | 7          | 6              | 7          | 0.720      | 18.29 | 191           | 65                      | 75   | -        |
| 2 x 4                              | 7          | 4              | 7          | 0.730      | 18.54 | 201           | 65                      | 75   | -        |
| 2 x 2                              | 7          | 4              | 7          | 0.831      | 21.11 | 263           | 90                      | 100  | 100      |
| 2 x 2                              | 7          | 2              | 7          | 0.840      | 21.34 | 286           | 90                      | 100  | 100      |
| 2 x 1                              | 18         | 3              | 7          | 0.937      | 23.80 | 339           | 100                     | 115  | 110      |
| 2 x 1/0                            | 18         | 2              | 7          | 1.016      | 25.81 | 394           | 120                     | 135  | 125      |
| 2 x 1/0                            | 18         | 1/0            | 18         | 1.030      | 26.16 | 431           | 120                     | 135  | 125      |
| 2 x 2/0                            | 18         | 1              | 18         | 1.094      | 27.79 | 476           | 135                     | 150  | 150      |
| 2 x 2/0                            | 18         | 2/0            | 18         | 1.100      | 27.94 | 522           | 135                     | 150  | 150      |
| 2 x 3/0                            | 18         | 1/0            | 18         | 1.190      | 30.23 | 591           | 155                     | 175  | 175      |
| 2 x 4/0                            | 18         | 2/0            | 18         | 1.291      | 32.79 | 701           | 180                     | 205  | 200      |
| 2 x 4/0                            | 18         | 4/0            | 18         | 1.310      | 33.27 | 775           | 180                     | 205  | 200      |

All values are nominal and subject to correction.

\*\*Ampacities shown are for general use as specified by the National Electrical Code, 2023 Edition Table 310.16 & article 338.10. For dwelling, conductors shall be permitted at listed ampacities to be utilized as 120/240 volt, 3-wire, single-phase service and feeder conductors that serve as the main feeder per NEC article 310.12.

| Insulated Conductor                  |            | Bare Conductor |            | Nominal OD |       | Approx Weight | Allowable Ampacities ** |      |          |
|--------------------------------------|------------|----------------|------------|------------|-------|---------------|-------------------------|------|----------|
| Size AWG/kcmil                       | Strand No. | Size AWG/kcmil | Strand No. | Inches     | mm    | lbs/kft       | 75°C                    | 90°C | Dwelling |
| Three Conductor SER plus Bare Ground |            |                |            |            |       |               |                         |      |          |
| 3 x 8                                | 1          | 8              | 1          | 0.600      | 15.24 | 140           | 40                      | 45   | -        |
| 3 x 8                                | 7          | 8              | 7          | 0.606      | 15.39 | 143           | 40                      | 45   | -        |
| 3 x 6                                | 7          | 6              | 7          | 0.689      | 17.50 | 195           | 50                      | 55   | -        |
| 3 x 4                                | 7          | 6              | 7          | 0.776      | 19.71 | 257           | 65                      | 75   | -        |
| 3 x 2                                | 7          | 4              | 7          | 0.902      | 22.91 | 365           | 90                      | 100  | 100      |
| 3 x 1                                | 18         | 3              | 7          | 1.020      | 25.91 | 461           | 100                     | 115  | 110      |
| 3 x 1/0                              | 18         | 2              | 7          | 1.106      | 28.09 | 556           | 120                     | 135  | 125      |
| 3 x 2/0                              | 18         | 1              | 18         | 1.197      | 30.40 | 668           | 135                     | 150  | 150      |
| 3 x 3/0                              | 18         | 1/0            | 18         | 1.307      | 33.20 | 809           | 155                     | 175  | 175      |
| 3 x 4/0                              | 18         | 2/0            | 18         | 1.421      | 36.09 | 987           | 180                     | 205  | 200      |
| 3 x 250                              | 35         | 3/0            | 18         | 1.530      | 38.86 | 1143          | 205                     | 230  | 225      |
| 3 x 300                              | 35         | 4/0            | 18         | 1.650      | 41.91 | 1347          | 230                     | 260  | 250      |

| Insulated Conductor                 |            | Bare Conductor |            | Nominal OD |       | Approx Weight | Allowable Ampacities ** |      |          |
|-------------------------------------|------------|----------------|------------|------------|-------|---------------|-------------------------|------|----------|
| Size AWG/kcmil                      | Strand No. | Size AWG/kcmil | Strand No. | Inches     | mm    | lbs/kft       | 75°C                    | 90°C | Dwelling |
| Four Conductor SER plus Bare Ground |            |                |            |            |       |               |                         |      |          |
| 4 x 2                               | 7          | 4              | 7          | 1.043      | 26.49 | 465           | 90                      | 100  | 100      |
| 4 x 2/0                             | 18         | 1              | 18         | 1.398      | 35.51 | 853           | 135                     | 150  | 150      |
| 4 x 4/0                             | 18         | 2/0            | 18         | 1.673      | 42.49 | 1262          | 180                     | 205  | 200      |
| 4 x 250                             | 22         | 3/0            | 22         | 1.850      | 46.99 | 1585          | 205                     | 230  | 225      |

All values are nominal and subject to correction.

\*\*Ampacities shown are for general use as specified by the National Electrical Code, 2023 Edition Table 310.16 & article 338.10. For dwelling, conductors shall be permitted at listed ampacities to be utilized as 120/240 volt, 3-wire, single-phase service and feeder conductors that serve as the main feeder per NEC article 310.12.





## BHARAT (INDIA)

### CORPORATE OFFICE

Plot No. 1, Site No. 1, 14/3, Mathura Road,  
Faridabad - 121003, Haryana

### WORKS

#### Haryana

74th Milestone, Delhi-Mathura Road,  
Hodal Toll Plaza, Distt. Palwal-121005

#### Rajasthan

Plot No. SP5 - 249, 250, RIICO Industrial Area,  
Ghilo, Neemrana, Alwar - 301705

#### Maharashtra

Gat No. 153/1/1, Village Ambethan, Taluka Khed  
(near Dwarka School), Pune - 410501

#### Uttarakhand

Plot No. 68, 69, 71, 72 & 73, Sector-5, IIE,  
Sidcul, Haridwar-249403

## ASIA

### SINGAPORE

SVARN PTE. LTD.: 7 Temasek Boulevard, #12-07,  
Suntec Tower One, Downtown Core, 038987, Singapore

### THAILAND

SVARN INFRA (THAILAND) CO LTD: 3656/50,  
Green Tower Building, Floor 16th, Rama 4 Road,  
Klongton Subdistrict, Klongton District, Bangkok 10110

### INDONESIA

PT SVARN GROUP INDONESIA: Innovation Center,  
Jababeka Industrial Estate 6, Jl. Samsung,  
Block A 3A, Cikarang Utara 17530

### VIETNAM

SVARN GROUP LLC: 12B Floor, Cienco 4 Building,  
180 Nguyen Thi Minh Khai, Vo Thi Sau Ward,  
District 3, Ho Chi Minh City, Vietnam

Contact: Paresh Gupta

M: +91 98107 94010 | E: paresh@svarn.com

## MIDDLE EAST

### DUBAI

SVARN MIDDLE EAST DWC-LLC  
O465, Floor C4, Office Park,  
Dubai South, UAE

Contact: J.K. Mishra

M: +971 50118 7209

E: jkmishra@svarn.com