

Kindling the sparks of excellence

UL-LISTED CABLES FOR INDUSTRIAL AND COMMERCIAL APPLICATIONS



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



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



Worldwide recognized certificates



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.







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

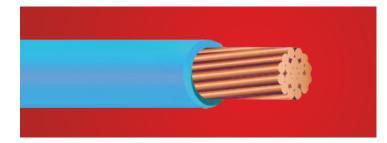
- UV resistant
- Sunlight resistant
- Flame & fire retardant FT2
- Heat & moisture Resistant
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant II
- ROHS compliant
- CT Rated (1/0 or larger size)

PART NUMBER	NOMINAL CROSS SECTIONAL AREA	INSULATION THICKNESS	MINIMUM OVERALL DIAMETER	NOMINAL WEIGHT
	AWG	mils(mm)	Inch(mm)	Lbs/Kft
FGCBPSIS14AWG	18	30(0.76)	0.108(2.74)	9.1
FGCBSIS12AWG	16	30(0.76)	0.118(2.99)	13.2
FGCBPSIS14AWG	14	30(0.76)	0.133(3.37)	19.1
FGCBSIS12AWG	12	30(0.76)	0.152(3.86)	27.1
FGCBPSIS10AWG	10	30(0.76)	0.175(4.45)	41.1
FGCBPSIS8AWG	8	45(1.14)	0.236(5.99)	68.3
FGCBPSIS6AWG	6	45(1.14)	0.273(6.93)	101.2
FGCBPSIS4AWG	4	45(1.14)	0.32(8.12)	154.2
FGCBPSIS2AWG	2	45(1.14)	0.379(9.62)	237.3
FGCBPSIS1AWG	1	55(1.40)	0.437(11.09)	298
FGCBPSIS1/0AWG	1/0	55(1.40)	0.476(12.29)	371
FGCBPSIS2/0AWG	2/0	55(1.40)	0.521(13.50)	462
FGCBPSIS3/0AWG	3/0	55(1.40)	0.571(14.50)	575.04
FGCBPSIS4/0AWG	4/0	55(1.40)	0.627(15.92)	717.2
FGCBPSIS250MCM	250MCM	65(1.65)	0.695(17.92)	852.2
FGCBPSIS350MCM	350MCM	65(1.65)	0.798(20.26)	1176.03
FGCBPSIS500MCM	500MCM	65(1.65)	0.927(23.54)	1659.2
FGCBPSIS750MCM	750MCM	80(2.03)	1.137(28.87)	2480.1
FGCBPSIS1000MCM	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-inconduit 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

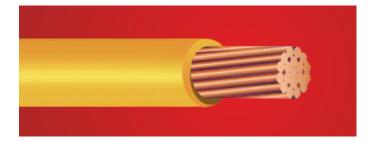
- Used in harsh weather conditions (UV Resistance)
- Sunlight resistant
- Flame & fire retardant Ft2
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant II
- ROHS compliant
- CT Rated (1/0 or larger size)

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-inconduit 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

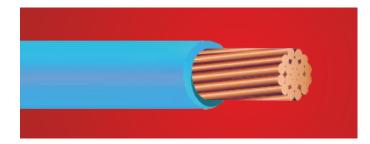
- Used in harsh weather conditions (UV Resistance)
- Sunlight resistant
- Flame & fire retardant Ft2
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant II
- ROHS compliant
- CT Rated (1/0 or larger size)

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-inconduit 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

- 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-inconduit 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

- 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-21/0AWG	1/0	55(1.397)	0.446(11.32)	130.5
FGCBPXHHW-22/0AWG	2/0	55(1.397)	0.486(12.34)	158.5
FGCBPXHHW-23/0AWG	3/0	55(1.397)	0.533(13.53)	194.5
FGCBPXHHW-24/0AWG	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-inconduit 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

- 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)

	NOMINAL CROSS			NOMINAL
PART NUMBER	SECTIONAL AREA	THICKNESS	DIAMETER	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





COMPREHENSIVE RANGE OF CABLE SOLUTIONS

CONTROL CABLES

Svarn flexible shielded cables, ranging from 2 to 100 cores, efficiently transport energy, ranging from 300 volts to 1kV, along with low-frequency signals essential for controlling motor drives or generators. These cables play a crucial role in tasks such as breaking, positioning, or optimizing rotor RPMs. Special sheathing is available for ultra-low temperatures, while smaller cables are halogen-free. Our torsion- and oil-resistant cables are designed to last for 20 years and more.



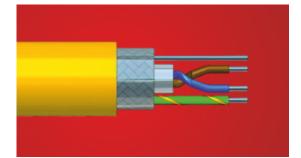


FIRE RESISTANT CABLES

Svarn's fire-resistant cables are instrumental in safeguarding lives and infrastructure. Svarn leads in fire-resistant cable technology, offering control and power cables specifically for safety systems like emergency lighting, fire detection, and door opening mechanisms. These cables maintain electrical circuit integrity for a defined duration post-fire, enhancing safety for both personnel and the plant itself.

FIELDBUS, COAXIAL CABLES

Can Bus or Profibus cables ensure precise control over functions such as motor operation, rudder adjustment, and hydraulic systems with their fixed impedance and accurate digital signal transmission. Coaxial cables handle high-frequency data transmission for communication equipment, and instrumentation onboard, while also delivering video signals for surveillance cameras.





LOW-VOLTAGE 120°C FLEXIBLE CABLES WITH EMC

Svarn manufactures LV silicone cables which are ideal for connecting generators to transformers. These cables are engineered to withstand extreme heat up to 120°C and are available in a Low-Smoke Zero-Halogen (LSZH) version for added safety.

FIBER-OPTIC CABLES

To ensure high data transmission capacity for monitoring and control, Svarn's rugged, halogen-free fibre-optic cables offer Electromagnetic Compatibility (EMC) in energy-dense areas. They are very flexible and can handle high torsion. Large cores (200 microns) make connectivity easier.



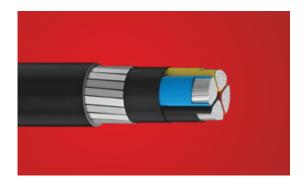
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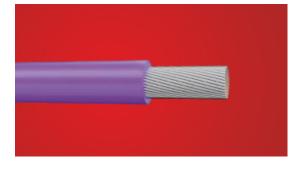




POWER & CONTROL CABLES

Svarn unarmoured power and control cables are used for wiring fixed installations not subject to mechanical risks, while armoured cables are recommended for areas where enhanced mechanical protection and electrical screening (Electromagnetic Compatibility) is required. The highly flexible range of cables are recommended for installations and connections in narrow spaces where an optimal bending radius is required. The sectoral conductors of multicore cables provide further space and weight savings on the cable trays.





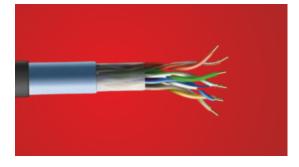
LOW-VOLTAGE LOOP RUBBER CABLES

These cables (up to 1kV) reliably transmit energy produced in the generator to the transformer. They come in Low-Smoke Zero-Halogen (LSZH) versions and are also oil, abrasion, UV and ozone-resistant. Before supply, Svarn rigorously tests these cables for lifetime durability, adhering to strict movement and torsion standards.

LOW-VOLTAGE FIXED INSTALLATION CABLES

Svarn provides LV aluminum cables in both single and multi cores, with EMC screening. Compared to copper, aluminum single cores are larger yet weigh half as much, making them cost-effective and easier to handle during installation.

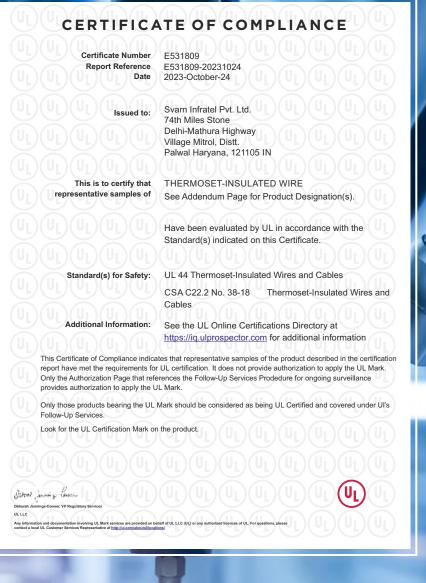




ELECTRONIC AND DATA TRANSMISSION CABLES

Thermoplastic Modified (TPM) 2 to 5-core sensor multicore and multipair cables measure water speed, temperatures, and performance parameters, while 2-core Fieldbus cables are used in parallel with energy cables to digitally control all electronic and mechanical devices. 2-core Profibus cables deliver up to 12 Mbit/s for complex control services; and data transmission cables offer Industrial Ethernet speed. Increasingly, all cables are shielded for EMC protection.





BHARAT (INDIA)

CORPORATE OFFICE Plot No. 1, Site No. 1, 14/3, Mathura Road,

Faridabad - 121003, Haryana WORKS

Harvana

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

Raiasthan Plot No. SP5 - 249, 250, RIICO Industrial Area. Ghiloth, 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

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MIDDLE EAST

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