

Facilitating the fusion of power and progress

POWER & CONTROL CABLES
FOR NUCLEAR POWER PLANTS



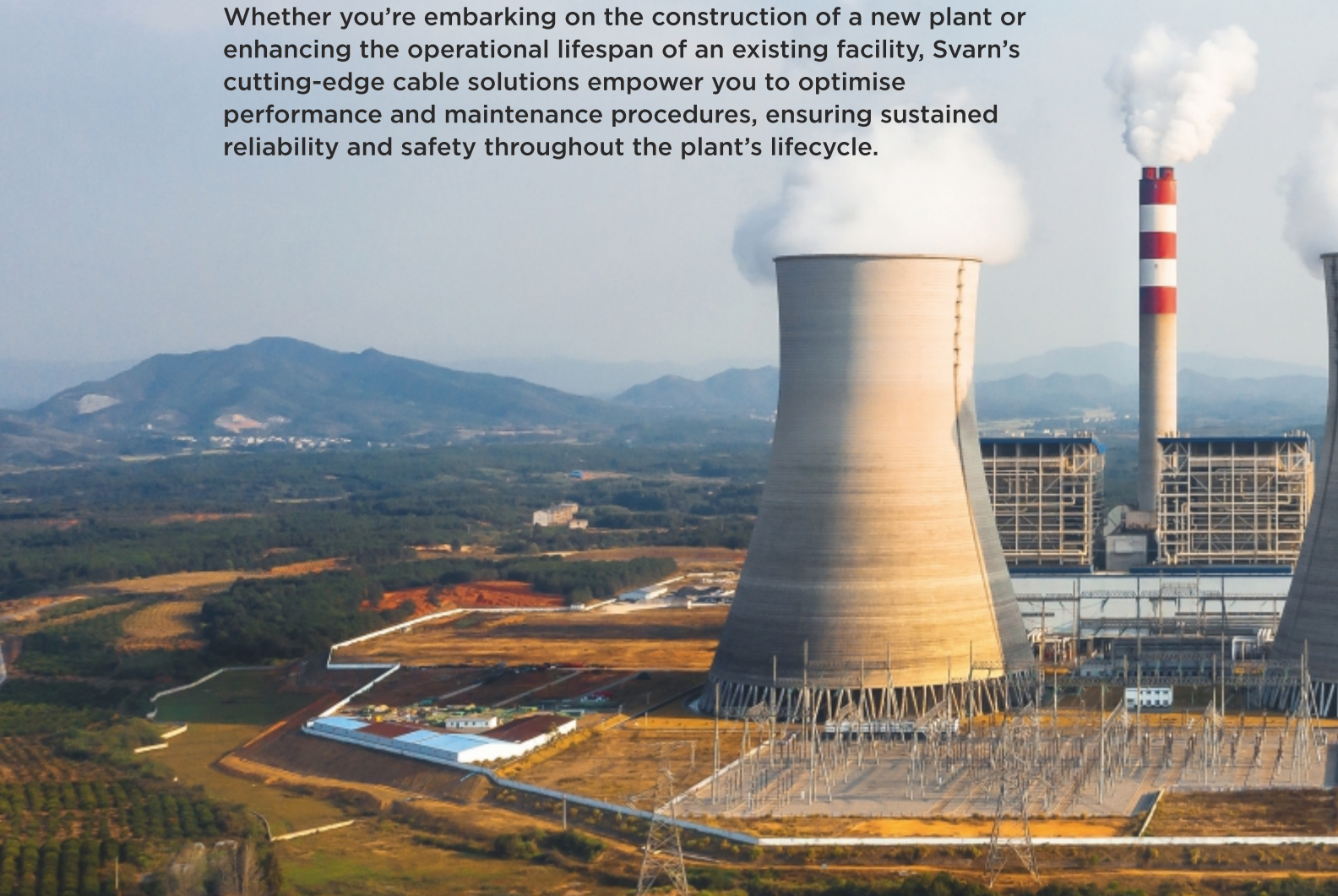
SVARN CABLES FOR NUCLEAR POWER PROJECTS

Performance and reliability suited for the most demanding environments

Today, nuclear energy accounts for over 10% of the global electricity supply, generated by approximately 440 power reactors worldwide. This substantial contribution translates to a quarter of the world's low-carbon electricity output.

Drawing on nearly two decades of specialised experience, Svarn offers a comprehensive array of cables tailored for nuclear energy production. Ranging from fundamental power cables to intricate control and communication systems, Svarn's products are engineered with advanced materials capable of withstanding the extreme pressures, temperatures, and radiation typical of nuclear power plant environments. Adhering to stringent safety protocols, Svarn cables are meticulously designed to meet both domestic and international quality standards.

Whether you're embarking on the construction of a new plant or enhancing the operational lifespan of an existing facility, Svarn's cutting-edge cable solutions empower you to optimise performance and maintenance procedures, ensuring sustained reliability and safety throughout the plant's lifecycle.



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.**

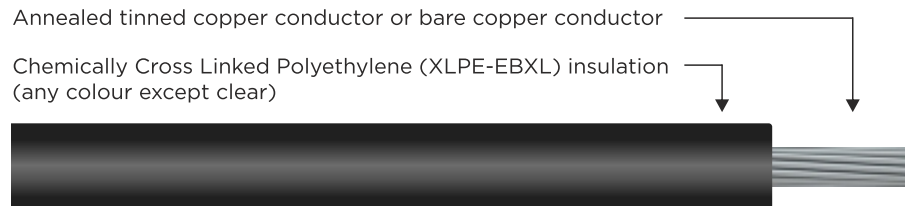


Know more at www.svarn.com

Svarn SIS Cables 18AWG

1000MCM, 600Volts, 90°C Dry and Wet

Svarn SIS Cables are suitable for various switchboard wiring as well as panel boards, distribution boards, conduits, ducts and applications for high radiation prone areas. These cables may be installed in wet or dry locations.



TECHNICAL DATA

- Nominal voltage : 600 Volts
- Temperature range : +90°C Dry and Wet

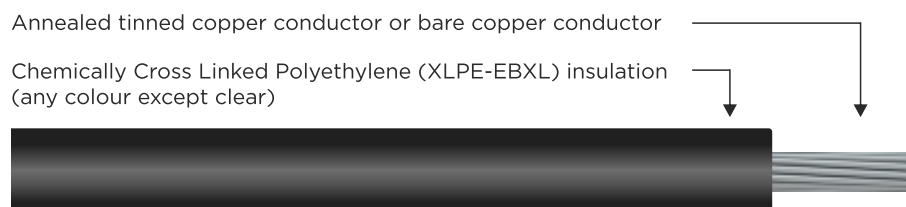
FEATURES

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

PART NO.	NOMINAL CROSS SECTIONAL AREA	INSULATION THICKNESS	MINIMUM OVERALL DIAMETER	NOMINAL WEIGHT
	AWG	mils(mm)	mm	kg/km
FGCBPSIS14AWG	18	0.76	2.74	15
FGCBPSIS12AWG	16	0.76	2.99	20
FGCBPSIS14AWG	14	0.76	3.37	29
FGCBPSIS12AWG	12	0.76	3.86	42
FGCBPSIS10AWG	10	0.76	4.45	61
FGCBPSIS8AWG	8	1.14	5.99	101
FGCBPSIS6AWG	6	1.14	6.93	152
FGCBPSIS4AWG	4	1.14	8.12	230
FGCBPSIS2AWG	2	1.14	9.62	354
FGCBPSIS1AWG	1	1.4	11.09	445
FGCBPSIS1/0AWG	1/0	1.4	12.29	553
FGCBPSIS2/0AWG	2/0	1.4	13.5	688
FGCBPSIS3/0AWG	3/0	1.4	14.5	857
FGCBPSIS4/0AWG	4/0	1.4	15.92	1068
FGCBPSIS250MCM	250MCM	1.65	17.92	1269
FGCBPSIS350MCM	350MCM	1.65	20.26	1751
FGCBPSIS500MCM	500MCM	1.65	23.54	2469
FGCBPSIS750MCM	750MCM	2.03	28.87	3692
FGCBPSIS1000MCM	1000MCM	2.03	32.68	4880

Svarn SIS Cables 14AWG 1000MCM, 600Volts, 90°C Dry and Wet

Svarn SIS Cables are suitable for various switchboard wiring as well as panel boards, distribution boards, conduits, ducts and applications for high radiation prone areas. These cables may be installed in wet or dry locations.



TECHNICAL DATA

- Nominal voltage : 600 Volts
- Temperature range : +90°C Dry and Wet
- Radiation resistance : 200 Megarads

FEATURES

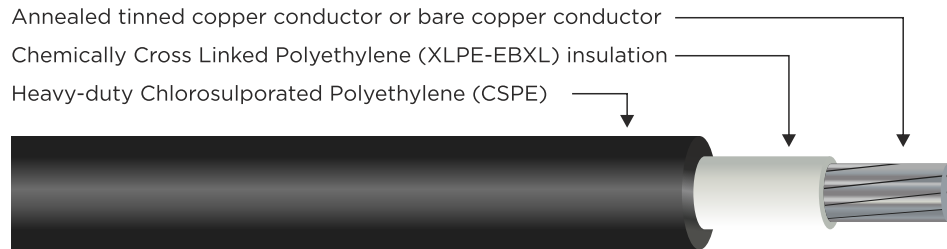
- UV resistant
- Flame & fire retardant FT2
- Heat & moisture resistant
- Radiation stability
- High thermal tolerance
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant
- RoHS compliant
- CT Rated (1/0 or larger size)

PART NO.	NOMINAL CROSS SECTIONAL AREA	INSULATION THICKNESS	MINIMUM OVERALL DIAMETER	NOMINAL WEIGHT
	AWG	mils(mm)	mm	kg/km
FGCBPSIS14AWG	14	1.14	4.16	34
FGCBPSIS12AWG	12	1.14	4.65	48
FGCBPSIS10AWG	10	1.14	5.23	69
FGCBPSIS8AWG	8	1.52	6.78	111
FGCBPSIS6AWG	6	1.52	7.72	163
FGCBPSIS4AWG	4	1.52	8.91	243
FGCBPSIS2AWG	2	1.52	10.5	369
FGCBPSIS1AWG	1	2.03	12.5	475
FGCBPSIS1/0AWG	1/0	2.03	13.5	586
FGCBPSIS2/0AWG	2/0	2.03	14.6	724
FGCBPSIS3/0AWG	3/0	2.03	15.9	895
FGCBPSIS4/0AWG	4/0	2.03	17.3	1111
FGCBPSIS250MCM	250MCM	2.41	19.3	1324
FGCBPSIS350MCM	350MCM	2.41	21.9	1814
FGCBPSIS500MCM	500MCM	2.41	25.2	2541
FGCBPSIS750MCM	750MCM	2.79	30.6	3784
FGCBPSIS1000MCM	1000MCM	2.79	34.4	4984

Svarn SIS Cables 14AWG

1000MCM, 600Volts, 90°C Dry and Wet

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TECHNICAL DATA

- Nominal voltage : 600 Volts
- Temperature range : +90°C Dry and Wet
- Radiation resistance : 200 Megarads

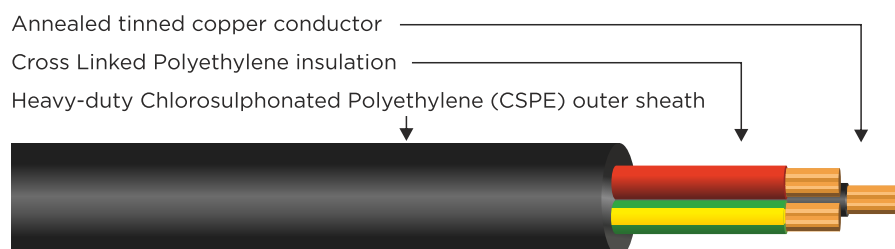
FEATURES

- UV resistant
- Flame & fire retardant FT2
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- Radiation stability
- High thermal tolerance
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- Oil/ gasoline resistant
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PART NO.	NOMINAL CROSS SECTIONAL AREA	INSULATION THICKNESS	MINIMUM OVERALL DIAMETER	NOMINAL WEIGHT
	AWG	mils(mm)	mm	kg/km
FGCBPSIS14AWG	14	1.14	4.2	35
FGCBPSIS12AWG	12	1.14	4.69	49
FGCBPSIS10AWG	10	1.14	5.27	69
FGCBPSIS8AWG	8	1.52	6.82	113
FGCBPSIS6AWG	6	1.52	8.55	178
FGCBPSIS4AWG	4	1.52	9.75	261
FGCBPSIS2AWG	2	1.52	11.3	389
FGCBPSIS1AWG	1	2.03	13.6	507
FGCBPSIS1/0AWG	1/0	2.03	14.6	621
FGCBPSIS2/0AWG	2/0	2.03	15.7	761
FGCBPSIS3/0AWG	3/0	2.03	16.9	936
FGCBPSIS4/0AWG	4/0	2.03	18.4	1155
FGCBPSIS250MCM	250MCM	2.41	21.2	1411
FGCBPSIS350MCM	350MCM	2.41	23.8	1912
FGCBPSIS500MCM	500MCM	2.41	27.1	2654
FGCBPSIS750MCM	750MCM	2.79	32.4	3916
FGCBPSIS1000MCM	1000MCM	2.79	36.2	5132

Svarn Multicore XLPE Insulated, CSPE Sheathed Cables – 600Volts

Svarn Multicore XLPE Insulated, CSPE Sheathed Cables are designed for wiring between components, instruments and electrical equipment. They are vastly used in aircrafts, computers & for use in data recording in nuclear generation.



TECHNICAL DATA

- Nominal voltage : 600 volts
- Temperature range : +90°C

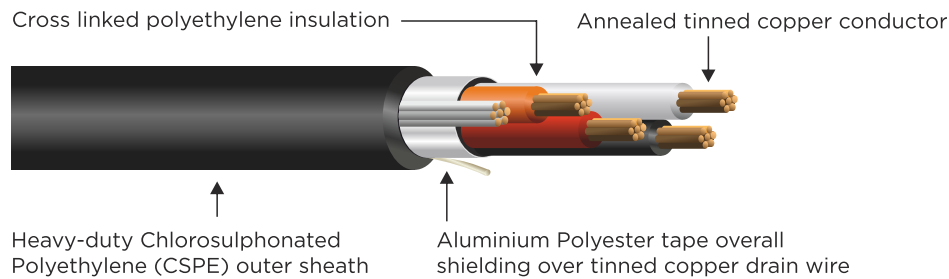
FEATURES

- UV resistant
- Flame & fire retardant FT2
- Heat & moisture resistant
- Radiation stability
- High thermal tolerance
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant
- RoHS compliant
- CT Rated (1/0 or larger size)

PART NO.	NOMINAL SIZE OF CONDUCTOR	CORES	INSULATION THICKNESS	MINIMUM OVERALL DIA	NOMINAL WEIGHT
	AWG		mils(mm)	mm	kg/km
FGCBPIS2C18AWG	18	2	0.64	7.78	78
FGCBPIS3C18AWG	18	3	0.64	8.1	88
FGCBPIS4C18AWG	18	4	0.64	8.66	108
FGCBPIS5C18AWG	18	5	0.64	9.42	120
FGCBPIS7C18AWG	18	7	0.64	10.18	148
FGCBPIS9C18AWG	18	9	0.64	11.7	185
FGCBPIS12C18AWG	18	12	0.64	13.1	231
FGCBPIS19C18AWG	18	19	0.64	16.2	361
FGCBPIS25C18AWG	18	25	0.64	18.56	461
FGCBPIS30C18AWG	18	30	0.64	19.47	525
FGCBPIS37C18AWG	18	37	0.64	21.08	634
FGCBPIS2C16AWG	16	2	0.64	8.15	85
FGCBPIS3C16AWG	16	3	0.64	8.55	105
FGCBPIS4C16AWG	16	4	0.64	9.3	129
FGCBPIS5C16AWG	16	5	0.64	10.06	149
FGCBPIS7C16AWG	16	7	0.64	10.96	192
FGCBPIS9C16AWG	16	9	0.64	12.74	240
FGCBPIS12C16AWG	16	12	0.64	15.08	331
FGCBPIS19C16AWG	16	19	0.64	17.3	475
FGCBPIS25C16AWG	16	25	0.64	20.1	607
FGCBPIS30C16AWG	16	30	0.64	22.38	765
FGCBPIS37C16AWG	16	37	0.64	24.03	918

Svarn Multicore XLPE Insulated, CSPE Sheathed Cables - 600Volts

Svarn Multicore XLPE Insulated, CSPE Sheathed Cables are designed for wiring between components, instruments and electrical equipment. They are vastly used in aircrafts, computers & for use in data recording in nuclear generation.



TECHNICAL DATA

- Nominal voltage : 600 volts
- Temperature range : +90°C

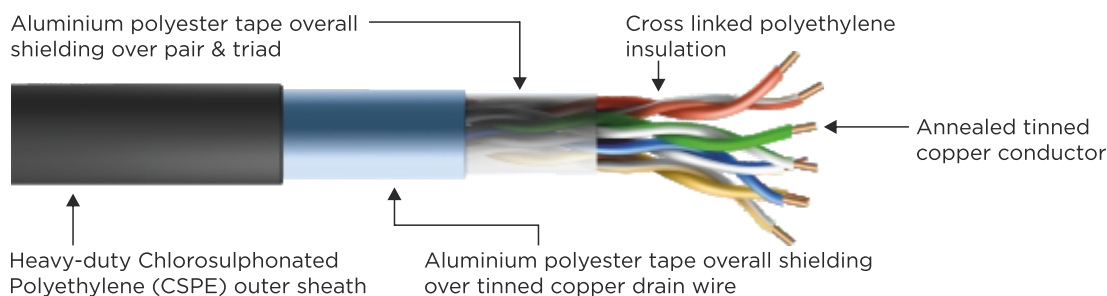
FEATURES

- UV resistant
- Flame & fire retardant FT2
- Heat & moisture resistant
- Radiation stability
- High thermal tolerance
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant
- RoHS compliant
- CT Rated (1/0 or larger size)

PART NO.	NOMINAL SIZE OF CONDUCTOR	CORES	INSULATION THICKNESS	MINIMUM OVERALL DIA	NOMINAL WEIGHT
	AWG		mils(mm)	mm	kg/km
FGCBPIS2C18AWG	18	2	0.64	7.41	80
FGCBPIS3C18AWG	18	3	0.64	7.79	86
FGCBPIS4C18AWG	18	4	0.64	8.45	111
FGCBPIS5C18AWG	18	5	0.64	10.2	122
FGCBPIS7C18AWG	18	7	0.64	11	151
FGCBPIS9C18AWG	18	9	0.64	12.5	187
FGCBPIS12C18AWG	18	12	0.64	14.6	235
FGCBPIS19C18AWG	18	19	0.64	16.8	363
FGCBPIS25C18AWG	18	25	0.64	19.2	461
FGCBPIS30C18AWG	18	30	0.64	20.3	531
FGCBPIS37C18AWG	18	37	0.64	22.8	638
FGCBPIS2C16AWG	16	2	0.64	7.9	92
FGCBPIS3C16AWG	16	3	0.64	8.5	110
FGCBPIS4C16AWG	16	4	0.64	9.2	132
FGCBPIS5C16AWG	16	5	0.64	11.5	156
FGCBPIS7C16AWG	16	7	0.64	12	196
FGCBPIS9C16AWG	16	9	0.64	14.5	245
FGCBPIS12C16AWG	16	12	0.64	16	335
FGCBPIS19C16AWG	16	19	0.64	18.4	479
FGCBPIS25C16AWG	16	25	0.64	20.9	610
FGCBPIS30C16AWG	16	30	0.64	23.2	769
FGCBPIS37C16AWG	16	37	0.64	24.8	912

Svarn Multipair & Triad XLPE Insulated CSPE Sheathed Cables - 600Volts

Svarn Multipair & Multitriad XLPE Insulated, CSPE Sheathed Cables are designed for wiring between components, instruments and electrical equipment. They are vastly used in aircrafts, computers & for use in data recording in nuclear generation.



TECHNICAL DATA

- Nominal voltage : 600 volts
- Temperature range : +90°C

FEATURES

- UV resistant
- Flame & fire retardant FT2
- Heat & moisture resistant
- Radiation stability
- High thermal tolerance
- Suitable for direct burial/ underground installation
- Oil/ gasoline resistant
- RoHS compliant
- CT Rated (1/0 or larger size)

PART NO.	NOMINAL SIZE OF CONDUCTOR	CORES	INSULATION THICKNESS	MINIMUM OVERALL DIA	NOMINAL WEIGHT
	AWG		mils(mm)	mm	kg/km
FGCBPSIS2P18AWG	18	2P	0.64	11.8	193
FGCBPSIS3P18AWG	18	3P	0.64	12.6	238
FGCBPSIS4P18AWG	18	4P	0.64	14.5	337
FGCBPSIS5P18AWG	18	5P	0.64	15.8	340
FGCBPSIS7P18AWG	18	7P	0.64	17.2	435
FGCBPSIS9P18AWG	18	9P	0.64	20	540
FGCBPSIS12P18AWG	18	12P	0.64	23.5	745
FGCBPSIS19P18AWG	18	19P	0.64	27.6	989
FGCBPSIS2P16AWG	16	2P	0.64	12.7	248
FGCBPSIS3P16AWG	16	3P	0.64	14.2	331
FGCBPSIS4P16AWG	16	4P	0.64	15.5	424
FGCBPSIS5P16AWG	16	5P	0.64	17	510
FGCBPSIS7P16AWG	16	7P	0.64	18.5	561
FGCBPSIS9P16AWG	16	9P	0.64	22.6	770
FGCBPSIS12P16AWG	16	12P	0.64	25.4	970
FGCBPSIS19P16AWG	16	19P	0.64	29.7	1314
FGCBPSIS2T18AWG	18	2T	0.64	12.5	257
FGCBPSIS3T18AWG	18	3T	0.64	13.4	321
FGCBPSIS4T18AWG	18	4T	0.64	15.3	459

PART NO.	NOMINAL SIZE OF CONDUCTOR	CORES	INSULATION THICKNESS	MINIMUM OVERALL DIA	NOMINAL WEIGHT
	AWG		mils(mm)	mm	kg/km
FGCBPSIS5T18AWG	18	5T	0.64	16.7	543
FGCBPSIS7T18AWG	18	7T	0.64	18.2	596
FGCBPSIS9T18AWG	18	9T	0.64	21.3	735
FGCBPSIS12T18AWG	18	12T	0.64	25	1020
FGCBPSIS19T18AWG	18	19T	0.64	29.3	1355
FGCBPSIS2T16AWG	16	2T	0.64	14.3	333
FGCBPSIS3T16AWG	16	3T	0.64	15.1	448
FGCBPSIS4T16AWG	16	4T	0.64	16.5	580
FGCBPSIS5T16AWG	16	5T	0.64	18.1	693
FGCBPSIS7T16AWG	16	7T	0.64	19.6	767
FGCBPSIS9T16AWG	16	9T	0.64	24.1	1056
FGCBPSIS12T16AWG	16	12T	0.64	26.9	1329
FGCBPSIS19T16AWG	16	19T	0.64	31.6	1799



QUALITY PAR EXCELLENCE



OHSAS 18001

SAFETY SYSTEM
CERTIFICATION



ISO 9001:2008

QUALITY SYSTEM
CERTIFICATION



ISO 14001

ENVIRONMENTAL SYSTEM
CERTIFICATION



CERTIFICATION



NABL





BHARAT (INDIA)

CORPORATE OFFICE

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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,
Ghilothe, Neemrana, Alwar - 301705

Maharashtra

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

Uttarakhand

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Green Tower Building, Floor 16th, Rama 4 Road,
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Jababeka Industrial Estate 6, Jl. Samsung,
Block A 3A, Cikarang Utara 17530

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