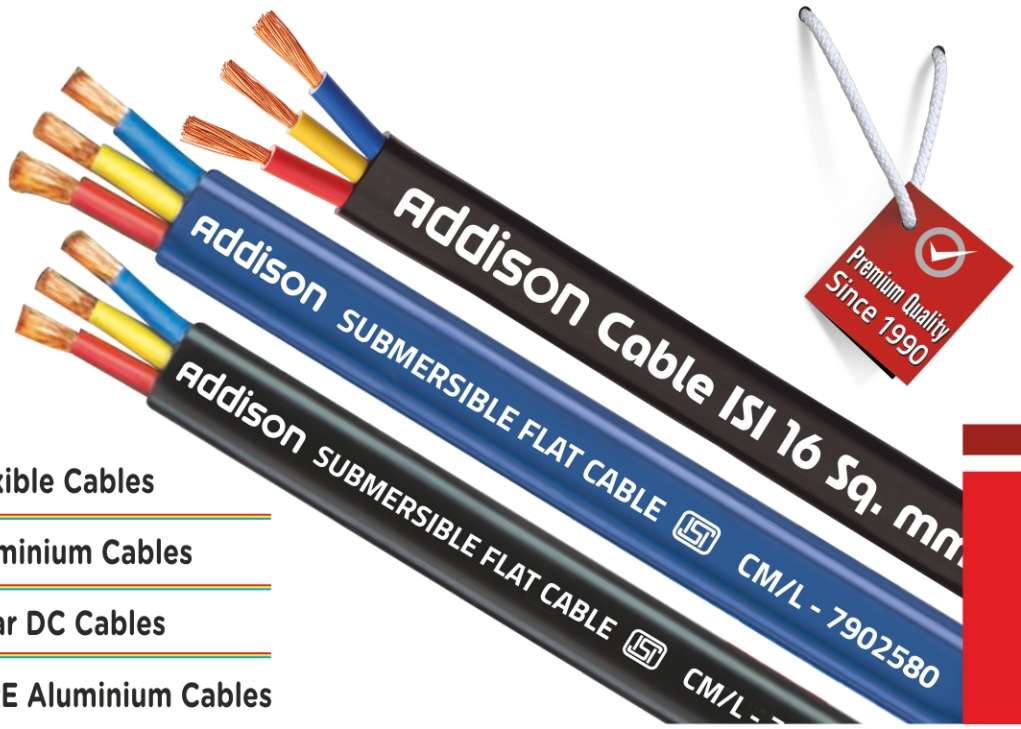
AN ISO 9001 : 2015 COMPANY

Addison

The Safe Connection

ELECTRIC WIRES & CABLES

MADE IN INDIA



PRODUCT RANGE

- » House Wires
- » Flexible Cables
- » Industrial Cables
- » Aluminium Cables
- » Sub. Flat Cables
- » Solar DC Cables
- » Welding Cables
- » XLPE Aluminium Cables

The Safe Connection

www.addisoncables.com

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ELECTRIC WIRES & CABLES

COMPANY INFO

JOURNEY OF ADDISON ALL THE WAY

WE WELCOME YOU TO ADDISON GROUP.....

The Company "ADDISON CABLES" is the manufacturing of different types of cables & wires used in Electrical sector started in 1990. After long successful journey with "ADDISON INDUSTRIES" all partners decide to move in private sector and in 2008 it is finally transformed into "ADDISON CABLE PVT. LTD." . It is an ISO 9001:2015 CERTIFIED COMPANY from TUV, SUD. The name THOMAS ALVA ADDISON is demigod for all human beings who uses electricity. Here we tried to give our small tribute to the legend by registering "ADDISON INDUSTRIES" as our firms name Today we are proud to be 30 years old company with long experience in the field of wires & cables. The brand "ADDISON" has become synonyms of superior quality.

THE ADDISON DIFFERENCE

ADDISON CABLE PVT. LTD. is serving the needs of Electrical industry for over 30 years due to following reasons :

- Cost Consciousness at the time of purchase of raw material.
- Wide Quality Range of Products.
- Total Quality Management (TQM) & Just In Time (JIT) Manufacturing Systems.
- Corporate Distribution Center.

MISSION & VISION

- Be at No. 1 Position in the business through excellence and innovation.
- To enhance Company value by delivering superior quality product and sustainable customer value through added services.
- Build exceptional standards and systems for productivity, performance, safety, environment and quality.
- Expand manufacturing facility and distribution network to cater to all over the world.
- Be a socially responsible corporate, addressing need of community and environment.
- Increase our market by fostering continuous improvement in all sections to become a world class SUBMERSIBLE FLAT Cable manufacturer.
- Maintain high standards of quality.
- Continue to maintain focus on committed delivery, every time.
- Provide superior customer service, in order to achieve complete customer satisfaction.

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FR HOUSE WIRE

"Addison" today is one of the most preferred and trusted name in House wires. It has emerged as first choice and gained reputation & confidence in consultants, architects and builders. Addison house wires carry a guarantee that far exceeds the ISI Certification they possess. The conductor used in Addison wires is pure electrolyte grade Copper, are annealed and bunched together which gives High purity and conductivity, ensures higher current rating, no over heating and less energy consumption as result reduction in energy bills. FR PVC Insulation 'Type A' PVC Compound is insulated over conductor by the process of dual extrusion using state of the art extrusion lines with required thickness of insulation. Addison wires are insulated with specially formulated high quality FR-PVC compound which gives extra ordinary Flame Retardency and also provided added safety. The most important property of this type of FR-PVC is Higher Oxygen index, Temperature index, Higher Insulation Resistance and Dielectric Strength. These properties help in restricting the spread of fire even at very high temperatures. The outer skin determines the colour identification while the inner layer is pure insulation

which provides extra protection. All wires are subjected to Automatic on-line critical diameter control and also high voltage spark testing to make sure that there are no weak spots in the insulation. **we are also manufacture solid stranded copper conductor wires** as per customers requirements.

APPLICATION

These wires have multi faceted role in our daily lives. These find application in Household Wiring, Industrial Wiring, Multipurpose / Temporary Wiring in the form of extension leads as well as in appliances. The multi strand flexible conductors make it ideal for concealed wiring.

Single core industrial flexible cables are used for wiring in control panels, machines and various electrical installations in small, medium and large industries.

ADDITIONAL FR PROPERTIES

TEST	SPECIFICATION	SPECIFIED VALUE
Critical oxygen index	ASTM-D-2863	Oxygen index min-29%
Temperature Index	ASTM-D 2863 & BICC Hand Book Chapter No. 6	Minimum Temperature Index 250 ˚C

Also meets Requirements of Flammability Test As per IEC 60332-1

Specification of House Wires

Single Core PVC Unsheathed Electroletic **Copper Wires** Up to 1100 V. As Per IS 694:2010

Nominal c/s Area of Counductor In Sq. mm.	Counductor Construction No. / mm.	Nominal Insulation Thickness In mm.	Approx. Overall Dia. In mm.	Current Rating At 40°C In Amps. (#)	Max. D/C Resistance Per Km. @ 20°C Ohm. / Km.(*)
0.50	16/0.20**	0.6	2.2	4	39.00
0.75	24/0.20**	0.6	2.5	7	26.00
1.00	14/0.30*	0.7	2.7	11	18.10
1.50	22/0.30*	0.7	3.0	14	12.10
2.50	36/0.30*	0.8	3.5	18	7.41
4.00	56/0.30**	0.8	4.2	26	4.95

Notes:
- Supplied in 90 Mtr & 180 Mtrs. Length in attractive cartoons (0.50 to 4.0 sq.mm.)
- Standard colors:Red,Yellow,Blue,Black,Green

Single Core PVC Unsheathed Electroletic Copper Industrial **Flexible Cables** Up to 1100 V. As Per IS 694:2010

Nominal c/s Area of Counductor In Sq. mm.	Counductor Construction No. / mm.	Nominal Insulation Thickness In mm.	Approx. Overall Dia. In mm.	Current Rating At 40°C In Amps. (#)	Max. D/C Resistance Per Km. @ 20°C Ohm. / Km.(*)
6.00	84/0.30*	0.8	5.3	31	3.08
10.00	140/0.30*	1.0	6.7	42	1.83
16.00	226/0.30*	1.0	8.0	57	1.15
25.00	354/0.30*	1.2	9.8	72	0.727
35.00	495/0.30*	1.2	11.5	90	0.524
50.00	708/0.30*	1.4	13.0	115	0.386

Notes:
- # as per IS 3961(part-V):1968
- * Class-2 Flexible copper Conductor As Per IS 8130
- ** Class-5 Flexible copper Conductor As Per IS 8130

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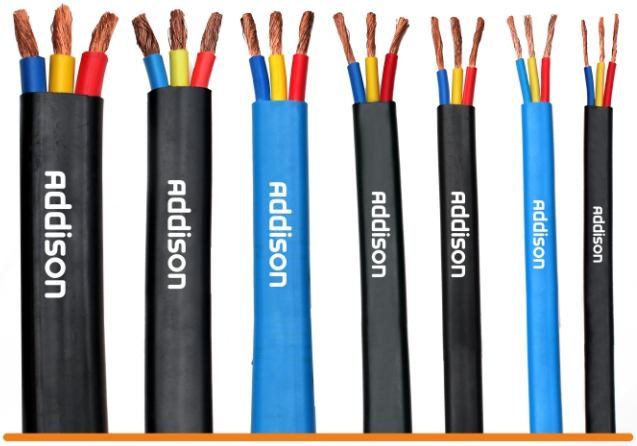
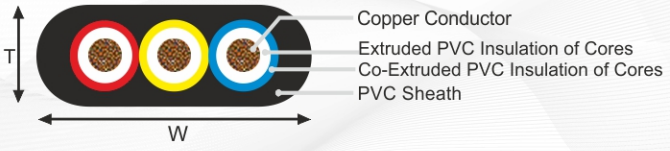
FLAT CABLE

We would like to introduce ourselves as one of the leading manufacturer/supplier of submersible pump flat cables. we provide a collection of optimum quality flat submersible cables. These cables are designed after detailed engineering to meet the specific requirements & give high performance reliability while in service. This is one of the best products offered by the company to its clients. Our flat submersible cables are extremely enduring and capable of standing with the test of time. 3 core flat cables are manufactured keeping in mind the severe and difficult conditions in which they are required to operate because the area of installation is physically restrictive and the environment is very hostile. We design and manufacture keeping in mind these factors to achieve the highest degree of reliability & safety. Addison 3 core flat cables are produced from best quality electrolytic copper, which is drawn, annealed and bunched on automatic machines to ensures flexibility and uniform resistance. The conductor is insulated with high grade insulation with uniform thickness with each of core colours in red, yellow and blue by using modern machinery and extrusion techniques. The outer sheath of the cable is made from a special grade Water Resitant PVC for underwater applications.





APPLICATION:

The cables can be used for supplying power to all types of indoor and outdoor portable and fixed pumping equipments.

Specification of **Flat Cables**

3 CORE PVC **SUBMERSIBLE FLAT COPPER CONDUCTOR CABLE** UP TO 1100 V. AS PER IS 694 : 2010

CONDUCTOR		PVC INSULATION		PVC SHEATH			Current Rating At 40°C In Amps.	Max. D/C Resistance @ 20°C Ohm. / Km.
Nominal c/s Area Of Counductor In Sq. mm.	Counductor Construction No. / mm.	Nominal Insulation Thickness in mm.	Approx. Core Dia. in mm.	Nominal Thickness In mm.	Approx.Overall Dimensions Height mm.	Approx.Overall Dimensions Width mm.		
1.00	14/0.30*	0.6	2.7	1	4.8	10.4	11	18.1
1.50	22/0.30*	0.6	3.1	1	5.2	11.7	14	12.1
2.50	36/0.30*	0.7	3.6	1.1	6.1	13.8	18	7.41
4.00	56/0.30**	0.8	4.2	1.2	7.1	15.8	26	4.95
6.00	84/0.30*	0.8	5.3	1.3	8.2	18.9	31	3.08
10.00	140/0.30*	1.0	6.7	1.4	10.3	23.6	42	1.83
16.00	226/0.30*	1.0	8.0	1.6	12.4	27.5	57	1.15
25.00	354/0.30*	1.2	9.8	2	14.6	35.0	72	0.727
35.00	495/0.30*	1.2	11.5	2	17.0	40.5	90	0.524
50.00	708/0.30*	1.4	13.5	2.2	19.3	46.5	115	0.386

- The Above Data is Indicative and in view of continuous improvements in our design and process, specifications given here be Revised Without prior Information.
- "ADDISON" will not liable for any damages arising out of incorrect Application.
- Standard sheath colours black and blue
- Construction of the conductor in designed to satisfy the requirement of conductor resistance as per IS 8130
- These cables are sequentially marked at one-meter intervals for convenience.
- * Class-2 Flexible copper Conductor As Per IS 8130
- ** Class-5 Flexible copper Conductor As Per IS 8130

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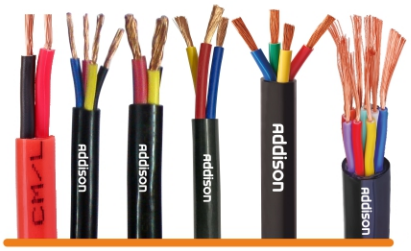
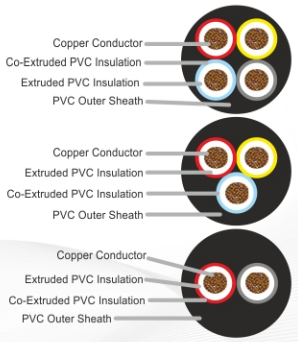
FLEXIBLE CABLE

We manufacture and supply premium quality of multi core flexible cables. These multicore cables can deliver flawless performance with long service life and exhibit excellent properties. In addition, they have the ability to withstand extreme conditions and repeated use. Annealed plain copper conductors used in the flexible cables. The conductors are insulated with a PVC compound with high insulation resistance and dielectric strength. Inner cores are coded for identification as per National / International coding system or as per customer's specifications. The sheathing is provided with special soft PVC compound for giving long life & electrical safety and to minimize chances of electrical failures which may cause damage to expensive appliances, instruments & machinery etc. These Cables are sequentially marked for length at every meter throughout its length.





Application

PVC compound insulated single core and Multicore flexible cables have a wide range of application in machine tools, appliances, control panels, machinery and industries of every nature.

Specification of **Flexible Cables**

MULTI CORE PVC. INSULATED & SHEATHED **ROUND FLEXIBLE COPPER CABLES** UP TO 1100 V. AS PER IS 694 : 2010

Nominal c/s Area Of Conductor In Sq. mm.	Conductor Construction No. / mm.	Nominal Insulation Thickness in mm.	Approx. Core Dia. In mm.	Outer Sheath Nominal Thickness In mm.			Max. Overall Dia. In mm.			Current Rating At 40°C in Amps.	Max. D/C Resistance @ 20°C Ohm. / Km.
				2 CORE	3 CORE	4 CORE	2 CORE	3 CORE	4 CORE		
0.50	16/0.2**	0.6	2.3	0.9	0.9	0.9	6.9	7.3	8.0	4	39.00
0.75	24/0.2**	0.6	2.5	0.9	0.9	0.9	7.3	7.7	8.4	7	26.00
1.00	32/0.2**	0.6	2.7	0.9	0.9	0.9	7.6	8.1	8.8	11	19.50
1.50	22/0.3*	0.7	3.1	1.2	1.2	1.3	9.4	10.2	11.5	14	12.10
2.50	36/0.3*	0.8	3.5	1.3	1.3	1.3	10.9	11.8	13.3	18	7.41
4.00	56/0.3**	0.8	4.2	1.0	1.0	1.0	11.6	12.4	13.6	26	4.95
6.00	84/0.3*	0.8	5.3	1.4	1.4	1.4	13.7	14.8	16.7	31	3.08
10.00	140/0.3*	1.0	6.7	1.5	1.5	1.6	16.5	17.8	20.0	42	1.83
16.00	226/0.3*	1.0	8.0	1.5	1.6	1.6	18.9	20.4	22.9	57	1.15
25.00	354/0.3*	1.2	9.8	1.6	1.7	1.8	22.1	23.8	26.8	72	0.727

» The Number of wires is approximate and wire diameter is nominal; They shall be such as to satisfy the requirement of conductor resistance as per as IS 8130
» * Class-2 Flexible copper Conductor As Per IS 8130 » ** Class-5 Flexible copper Conductor As Per IS 8130

Flat Submersible **Connection Cable**

Addison 3 core flat connection cables are our special product. these are specially made to give connection in submersible pumps because the area of installation is physically restrictive. These cables are manufactured from best annealed high conductivity electrolytic stranded copper wires. The conductor is specially insulated by **polyester insulation** to decrease overall dia. of cable and It has remarkable constant higher insulation resistance than PVC. The outer sheath of the cable compound is made from a very special grade of abrasion resistant PVC compound impervious to water. These cables are characterized by high electrical strength, superior space factor, very low water absorption, high abrasion resistance and mechanical strength.

Specification of **Connection Cables**

3 CORE CONNECTION SUBMERSIBLE FLAT CABLES UP TO 1100 V.

Nominal c/s Area Of conductor In Sq.mm.	conductor construction No./mm.	Approx. Core Dia.In mm	Nominal Thickness Of Sheath In mm.	Overall Dimensions		Current Rating At 40 °C In Amps.	Max.D/C Resistance @ 20 °C Ohm/km.
				H	W		
1.00	14/0.3	1.7	1.00	4.15	7.65	11	18.1
1.50	22/0.3	2.1	1.15	5.00	8.85	14	12.1
2.50	36/0.3	2.6	1.25	5.25	10.10	18	7.41
4.00	56/0.3	3.1	1.40	6.00	13.00	26	4.95
6.00	84/0.3	3.4	1.50	6.70	15.00	31	3.08

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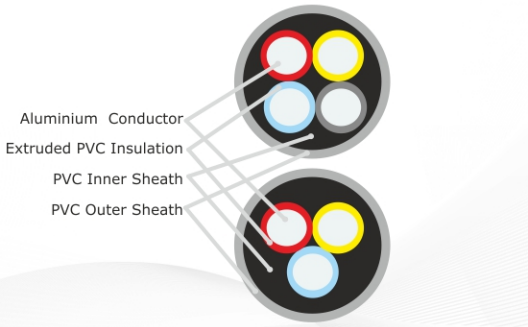
ALUMINIUM CABLE

We are providing a exclusive range of unarmored 3 core and 4 core Double sheathed single solid aluminum cables which are generally conforming to IS:694:2010.these are Superior in quality and performance. This ensure proper connection, good conductivity and complete optimization of wire solder ability. Our aluminum cables are very qualitative and satiate the requirements of varied industries. They don't merely deliver power, they do so with maximum efficiency and security. Conductors are made from special grade aluminum conforming to IS:8130, and are compact circular shaped. The conductors are insulated with a special grade of PVC and outer sheath consists of a highly abrasion resistant PVC compound. These cable are suitable for use in AC single phase or three phase (earthed or unearthed) systems for rated voltages upto and including 1100 volts or a DC systems for rated voltages upto and including 1500 volts to earth. These cables are used for outdoor installation in damp & wet locations, laid direct in ground where mechanical damages are expected to occur.



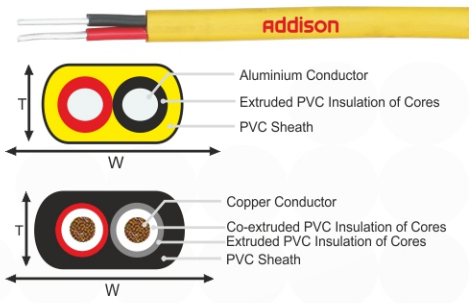
Specification of Unarmoured Round Aluminium Cables

PVC. INSULATED & SHEATHED **ROUND UNARMOURED ALUMINIUM CABLES** UP TO 1100 V GENERALLY CONFORMING TO IS 694 : 2010

Nominal c/s Area of Conductor In Sq. mm.	Conductor Construction No. / mm.	Nominal Insulation Thickness In mm.	Approx. Core Dia. In mm.	Outer Sheath Nominal Thickness in mm.		Max. Overall Dimensions		Current Rating At 40°C In Amps.	Max. D/C Resistance @ 20°C Ohm. / Km.
				3 CORE	4 CORE	3 CORE	4 CORE		
4.00	1/2.25	0.8	3.8	1.3	1.4	11.40	12.85	23	7.41
6.00	1/2.76	0.8	4.5	1.4	1.4	12.45	14.50	30	4.61
10.00	1/3.57	1.0	5.5	1.5	1.6	14.40	16.00	40	3.08
16.00	1/4.50	1.0	6.7	1.6	1.6	17.50	20.40	51	1.91
25.00	1/5.65	1.2	8.0	1.7	1.8	20.50	23.00	70	1.20
35.00	1/6.68	1.2	9.4	1.8	1.9	23.75	27.30	86	0.868

Aluminum Twin Flat Cables

Our clients can avail from us an extensive range of Aluminum Service Twin Flat Cables. We are offering a wide range of Aluminum Twin Flat cables with following specification:



General Construction

Range: 2.5 sq mm to 10.0 sq mm in aluminum.

- Conductor: Highly Tensile Solid Aluminium conductor as per Class 1/ Class 2 of IS: 8130
- Insulation: PVC Type A as per IS 5831:1984
- Outer Sheath: PVC Type ST1 as per IS 5831: 1984

Specification of Twin Flat Aluminium Cables

PVC INSULATED AND SHEATHED **TWIN FLAT ALUMINIUM CABLES** UP TO 1100 V. CONFORMING TO IS 694 : 2010

Conductor		PVC Insulation		PVC Sheath			Current Rating At 40°C In Amps.	Max. D/C Resistance @ 20°C Ohm. / Km.
Nominal Area Of Counductor In Sq. mm.	Counductor Construction No. / mm.	Nominal Insulation Thickness in mm.	Approx. Core Dia. in mm.	Nominal Thickness in mm.	Max. Overall Dimensions			
					Height in mm.	Width in mm.		
2.50	1/1.78	0.7	3.3	1.0	6.60	10.5	18	12.10
4.00	1/2.24	0.8	3.8	1.0	7.40	12.0	23	7.41
6.00	1/2.76	0.8	4.5	1.1	8.00	13.0	30	4.61
10.00	1/3.57	1.0	5.3	1.4	9.60	16.0	40	3.08

we are also provide twin flat copper cables from 0.50 sq.mm. to 16.0 sq.mm and also as per specific requirement of customers.

Addison
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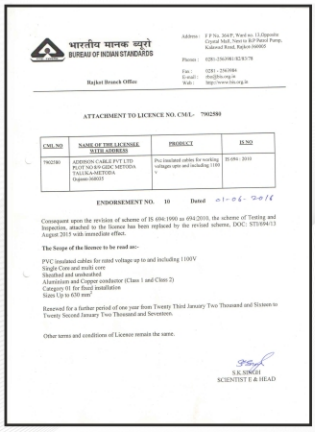
ELECTRIC WIRES & CABLES

ABOUT QUALITY

Testing is a very important part of cable manufacture. Realizing and respecting the basic needs of customers to feel more secure, we've committed ourselves to make our products better, safer and smarter than what he or she is looking for. That's a passion that began 30 years ago and that's how it continues to be even today. All raw materials and finished cables must be thoroughly tested to ensure the quality of cables. Our cables are tested in our modern and fully fledged testing laboratory to make sure that they meet the prescribed standards of quality. The most modern testing equipment is installed in this laboratory. We carry out all routine and type tests as per IS 10810 in our laboratory. The assurance of quality is further ensured by ISI:694-2010 certification no. CM/L-7902580 on cables and ISO 9001:2015 certification by TUV, SUD. "We strive for continuous improvement to assure all products consistently meet or exceed our customer requirements.

TESTING LABORATORY

AN ISO 9001:2015 Certificate by **TUV SUD**



IS 694:2010 Certificate

INFRASTRUCTURE

60 + 38 MM EXTRUDER MACHINE OF SUPERMAC

ARMOURED MACHINE

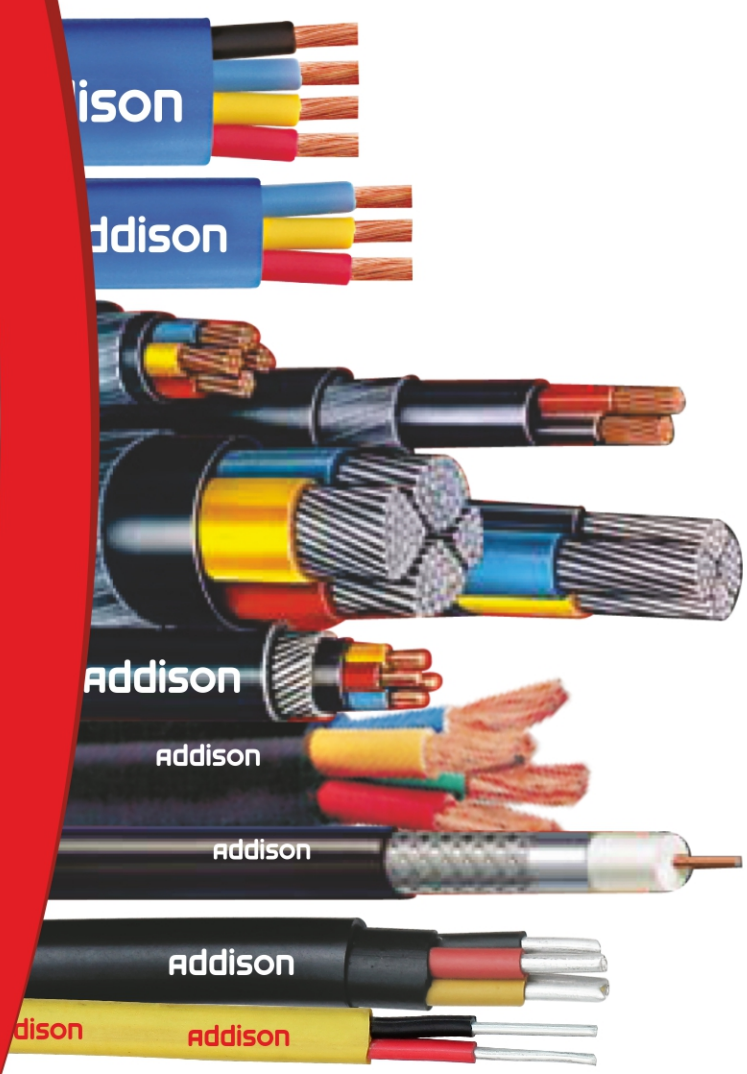
80 MM EXTRUDER MACHINE OF SUPERMAC

STORE ROOM

Addison™

The Safe Connection

ELECTRIC WIRES & CABLES



PRODUCT RANGE

- » FR PVC Insulated House Wire
- » FR PVC Insulated SIngle Core Unsheathed Industrial Cables
- » PVC Insulated and Sheathed 3 Core Submersible Flat Cables
- » 3 Core Flat Cables Special for Submersible Connection
- » PVC Insulated and Sheathed multicore flexible copper conductor Cables
- » PVC Insulated and Sheathed multicore super soft copper conductor Cables
- » Welding Cables
- » XLPE PVC Insulated and PVC Sheathed Armoured / Unarmoured round aluminium Cable
- » PVC Insulated and sheathed Armoured/Unarmoured Round Aluminium Cables
- » PVC Insulated and Sheathed twin Flat Alumninium and Copper Cables
- » DC Solar Cables

Mfg. By:

ADDISON CABLE PVT. LTD.

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