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For Any
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011-66369666

PLAZA Fan

PLAZA SOLAR





Our Legacy



When a powerful commercial concept aims at fuelling diverse possibilities for the general good, a successful business venture is born. Plaza Cables is the perfect illustration of the fact.

A continued and committed evolution to stay aligned with the ever increasing, varied requirements of power generation and consumption in the country has been ingrained in the vision of the brand. A truthful, trustworthy engagement with clients and customers at all levels thus comes naturally to us. Driven by the mission to enrich people's lives by providing quality electrical wires, cables and different electrical solutions at most reasonable costs; we have grown from strength to strength in the last 5 decades and set benchmarks in electrical product manufacturing and trade. An ISO 9001:2015 , 14001:2015 & CE-certified entity, Plaza Cables has been recognized and accredited by various organizations for its compliance with varied quality regulations. Presently , we are manufacturing - FR Cables, FR-LSH Cables, ZHFR Cables, Single and Multicore round Cables, 3 Core Flat PVC Submersible Cables, LT Power Control Cables, Speaker Cables and Solar Cables.

While, 'Plaza Cables' prides itself as a leading 'Fast Moving Electrical Goods (FMEG) brand; manufacturing a wide range of wires and cables and allied products; yet honouring its socio - environmental responsibilities; it has worked unceasingly towards alternative sustainable and affordable energy solutions. As a result, in 2009, we expanded our manufacturing portfolio with solar photo voltaic panels, solar inverters, solar batteries, solar water heating systems, solar lanterns, solar home-lighting and solar street lighting; comprising strictly to ISI, ISO 9001 , ISO 14001 , IEC61215, IEC61730 CE and UL standards.

In keeping with our philosophy of innovating cost effective, quality power solutions; we have also launched a range of attractive cost –effective, energy efficient yet high quality – ceiling, TPW, Ventilation, Exhaust Axial and Farrata Fans.

Our ancillary brand 'PCG', manufactures and markets high quality PVC Conduit Pipes and PVC Insulated Tapes along with electrical accessories like water resistant, flame radiant – power strips, spike guards, holders, flex boxes etc. all over the country; abiding stringently by ISI standards.

The brand runs four state-of-the-art manufacturing facilities, in Baddi , Himachal Pradesh, empowered with the most modern and efficient equipment, backed by dynamic R&d units for seamless and quality production of wires and cables, solar photo voltaic panels and allied products, various types of fans and pvc conduit pipes, insulated tapes and electrical accessories respectively.

All-in-all, keeping in line with the make in india campaign, plaza cables has carved a definite place in the india industrial space with is huge potential, performance and thriving business and is looking further ahead.



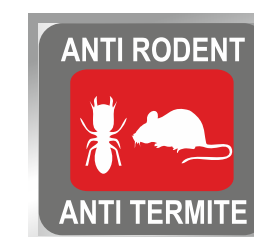
RoHS COMPLIANT

Release of certain harmful substances such as lead, mercury, cadmium and chromium etc. in the plastics/equipment are dangerous to the environment and health. European Union has adopted a directive on the restriction of the use of certain hazardous substances in electrical and electronics equipment commonly referred to as Restriction of Hazardous Substances directive or RoHS



ANTI TERMITE AND ANTI RODENT

Termites and rodents cause extensive damage to paper, wood, plastic etc. In case of electrical installation, damaged caused by above pests may lead to short circuit which can become a cause for a major disaster, loss of property and human life.



SUPERIOR FLEXIBILITY

Wires and cables need to be flexible as they are required to be installed in containment systems such as ducts and channels along physical routes that curve and bend repeatedly, sometimes by as much as 90 degrees.



ELECTROLYTIC COPPER

Electrolytic copper has undergone refining or purification by electrolysis. Purification by electrolysis represents the easiest method of achieving purity levels of 99.999 percent in copper, according to Science Clarified



Buy Plaza ZHFR wires, buy peace of mind. It is your fire shield

A rapid increase in population density in recent times, has resulted in innumerable high rise buildings, multistoried housing complexes, multi screen cinema halls, centralized corporate offices and such other structures. Thus, to safeguard precious human lives from fire accidents it is mandatory to insure foolproof provisions for enhanced fire protection & easy evacuation.

Presenting PLAZA ZHFR/HFFR/LSZH house wires as an excellent technological break through. In a fire accident, Zero Halogen Flame Retardant wires from 'PLAZA CABLES' emit very low smoke which is almost transparent, non-toxic and non-corrosive as the insulating compound does not generate any acidic gases. Special insulating formulations make PLAZA ZHFR very tolerant to high rising flames and temperatures. Even in the event of a fire accident, these wires are scientifically proven to tolerate heat temperatures to an unimaginable extent and keep your environment safe.

Our “State of the Art” R&D department strives ceaselessly to upgrade and innovate our product offerings; some of which exceed the periphery of IS specifications. Our FR-LSH & ZHFR wires are also one such product offering which deliver more than IS-specifications, therefore are not limited to : IS: 694: 2010 standards.

Note: As per international practice which is also adopted by BIS, the number and diameter of conductor strands are for reference only. Conductor resistance as per IS: 8130 is the governing criteria.

Three Core Flat PVC Insulated Flexible Industrial Cable for Submersible use, 1100 Voltage Grade							
Nominal area of conductor	Number/ Size of Wire for each Core	Thickness		Sheath Approx Overall Dimension		Conductor Resistance at 20°C (Max.)	Current Carrying Capacity
		Insulation Thickness (Nom.)	Sheath Thick (Nom.)	Width	Height		
Sq. mm	No./mm	mm	mm	(Nom.) mm	(Nom.) mm	Ohm/Km	Amps.
1.50	30/0.25	0.6	0.9	11.2	5.4	13.3	13
2.50	50/0.25	0.7	1.0	13.3	6.2	7.98	18
4.00	56/0.30	0.8	1.0	15.0	6.70	4.95	24
6.00	84/0.30	0.8	1.1	16.9	7.50	3.30	37
10.00	80/0.40	1.0	1.4	22.4	9.5	1.91	42
16.00	126/0.40	1.0	1.4	24.9	10.3	1.21	57
25.00	196/0.40	1.2	2.0	31.2	13.2	0.780	72
35.00	276.040	1.2	2.0	34.4	14.4	0.554	90

Note: Available in 500 ± 5% metres packing in drums. Also available in 100 metres packing on request.

*The number and diameter of conductor strands are for reference only. Conductor resistance as per IS:8130 is the governing criteria. Conductor shall be of Class-V as per IS:8130

Have your premises fire secured, buy Plaza FR-LSH wires

In the past, electricity was utilized in the most simple way with fewer loads. Today, modern gadgetry like air conditioners, ovens, microwaves, geysers, heat convectors & other power consuming loads have changed the scenario. The probability of short circuits, which is the root cause of electrical fires, has increased many folds, due to the concentration of loads in a small area.

Presenting PLAZA FR-LSH wires to safeguard your premises. Fine drawn strands of electrolytic copper are bunched together to achieve absolute conformity to specifications mentioned in IS: 694:2010. The additives are added in the PVC to equip it with FR-LSH properties.

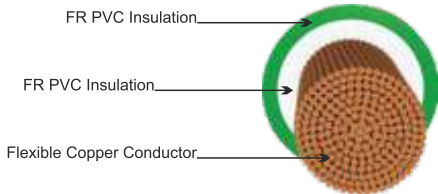
Usually in the case of an fire accident, fire fighting is rendered difficult by thick acidic emissions from Poly vinyl chloride wires. However PLAZA FR-LSH wires pose appreciable resistance to hinder the spread of flames during fire accidents. The rescue operations are facilitated by using our FR-LSH wires as the smoke is reduced to almost half in comparison to general purpose PVC wires.

Some comparative technical features are given in the details below.			
Feature	Standard Range Flame Retardent FR	Special Range	
		Flame Retardent Low Smoke & Halogen FR-LSH	LSZH/HFFR/ZHFR
Insulation Material	Spl. PVC	Spl. PVC	Spl. Polymer
Insulation Property	Good	Good	Very Good
Temperature Rating	70°C	70°C	70°C
Thermal Stability	Good	Good	Very Good
Flame Retardancy	Very Good	Very Good	Excellent
Safety During Burning	Good	Good	Excellent
Requirement of Critical Oxygen Index As Per ASTMD-2863 to Catch Fire (%)	>30	>30	>35
Temperature Index	>250°C	>250°C	>280°C
Light Transmission (Visibility)	NA	>40	>80
During Cable As Per ASTMD-2843 Burning (%)	—	Good	Excellent
Release of Halogen Gas	NA	< 20%	< 0.5%
During Burning (%)	—	Good	Excellent
Abrasion Resistance During Installation	Good	Good	Good

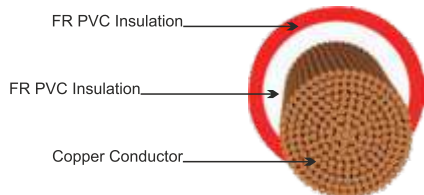


Single Core FR-PVC insulated multi stranded flexible copper conductor (unsheathed) heavy duty cables for house wiring voltage grade 1100V Conforming to IS:694 : 2010				
Nominal cross section area of conductor	Number/Nom. dia of conductor strand	Thickness of insulation (Nom)	Current Rating	Conductor Resistance at @20 C Max
mm	No./mm	mm	amps	ohms/km
1.0	14 / 0.3	0.7	11	18.1
1.5	30 / 0.25	0.7	15	13.3
2.5	50 / 0.25	0.8	20	7.98
4.0	56 / 0.3	0.8	26	4.95
6.0	84 / 0.3	0.8	37	3.30

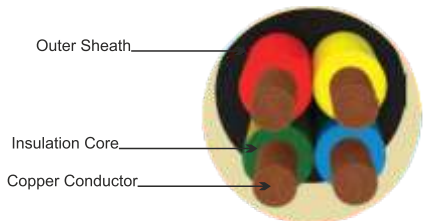
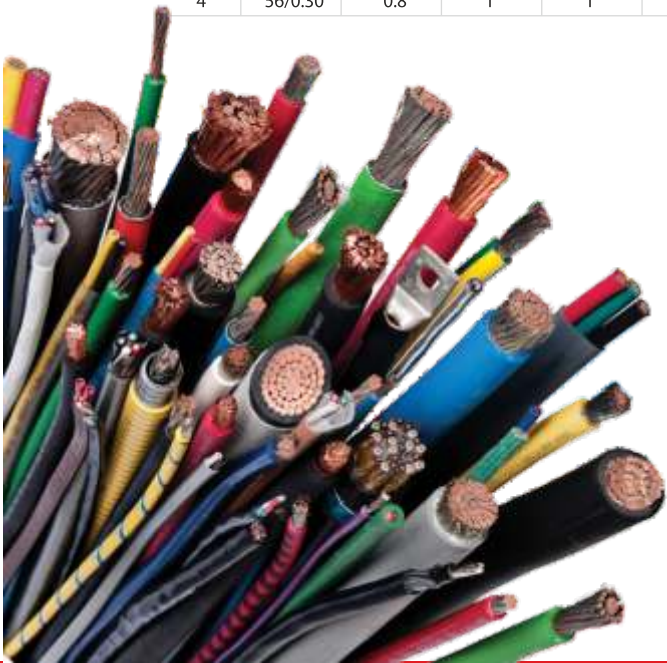
standard coloures : black, red, yellow and green (for Eathing). any colour on specific request can also be supplied. Supplied in 90 Mtr. Lgt. in attractive packing. Conforms to IS 694:2010.



Single Core FR-PVC insulated solid / stranded copper conductor (unsheathed) heavy duty cables for house wiring voltage grade 1100V Conforming to IS:694 : 2010					
Nominal cross section area of conductor	No. of wires & dia of wire conductor	Nominal thickness of insulation	Overall dia. max	Conductor resistance at 20 c max.	Current rating
sgmm	mm	in mm	in mm	ohms/km	amps
1.0 (1/18)	1/1.14	0.70	3.20	18.1	12
1.0 (3/22)	3/0.66	0.70	3.20	18.1	12
1.5 (3/20)	3/0.80	0.70	3.40	12.1	16
2.5 (7/22)	7/0.68	0.80	4.80	7.41	22
4.0 (7/22)	7/0.86	0.80	3.80	4.61	29
6.0 (7/18)	7/1.05	0.80	5.60	3.08	37
16.0 (7/16)	7/1.71	1.00	8.20	1.15	68



Multicore round flexible copper conductor PVC insulated and pvc sheathed cables for flexible wiring in voltage grade 1100V Conforming to IS:694 : 2010												
Nominal cross section area of conductor	Number/ Nom. dia of conductor strand	Thickness of insulation (Nom)	Nominal Thickness of sheath				Overall dimension Approx				Current Rating AC	Conductor Resistance at 20 c max
			Twin core	Three core	Four core	Five core	Twin core	Three core	Four core	Five core		
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	amps	ohms/km
0.5	16/0.20	0.6	0.9	0.9	0.9	0.9	6.2	6.6	7.2	9	4	39
0.75	24/0.20	0.6	0.9	0.9	0.9	0.9	6.5	6.9	7.6	9.6	7	26
1	32/0.20	0.6	0.9	0.9	0.9	1.9	6.9	7.3	8.2	10.5	11	19.5
1.5	30/0.25	0.6	0.9	0.9	0.9	1.9	7.6	8.2	9.3	11	15	13.3
2.5	50/0.25	0.7	1	1	1	1	9	9.6	10.5	13	20	7.98
4	56/0.30	0.8	1	1	1	1	10.3	10.9	12.3	15.5	26	4.95





HR - FR - PVC Insulated Industrial Cable Rated voltage Upto And Including 1100V
Conform to IS 694 : 2010

Nominal cross section area of conductor	Number/ Nom. dia of Wires	Thickness of insulation (Nom)	Approx. Overall Diameter	Current Carrying Capacity Rating	Conductor Resistance at 20°c max.
sq.mm	mm	mm	mm	amps	Ohms/km
0.75	7/0.37	0.6	2.6	8	26.0
1.0	19/0.26	0.7	2.8	14	18.10
1.5	19/0.32	0.7	3.1	18	12.10
2.5	37/0.29	0.8	3.8	24	7.41
4.0	37/0.37	0.8	4.4	32	4.61

standard coloures : black, red, yellow and green (for Eathing). any colour on specific request can also be supplied. Supplied in 90 Mtr. Lgt. in attractive packing. Conforms to IS 694:2010.

THREE DEFENCE SYSTEM | TRIPLE SAFETY

- 1. India's First 3D Technology
- 2. Triple Layer Insulated Wire With Unilay Conductor
- 3. Ensures Minimum Power Loss During High Current Transmission



Single Core Insulated Copper conductor and PVC sheathed cables for Flexible wiring in
voltage grade 1100V Conforming to IS 694 : 2010

Nominal Cross Section Area of Conductor	No. of wires & dia of wire conductor	Thickness Of Insulation (Nom.)	Nominal Thickness Of Sheath	Overall Dimension (Max.) Approx	Current Rating	Conductor Resistance at 20°C max
mm	mm	mm	mm	mm	mm	ohms/km
0.5	16 / 0.20	0.6	0.9	4.5	4	39.0
0.75	24 / 0.20	0.6	0.9	4.7	7	26.0
1.0	32 / 0.20	0.6	0.9	4.9	11	19.5
1.5	30 / 0.25	0.6	0.9	5.4	15	13.3
2.5	50 / 0.25	0.7	1.0	6.2	20	7.98
4.0	56 / 0.30	0.8	1.0	7.0	26	4.95



Single Core FR PVC Insulated solid/stranded Copper Conductor (unsheathed) cables
For flexible wiring in voltage grade 1100 v. Conforming to IS 694 : 2010

Nominal Cross Section Area of Conductor	No. of wires & dia of wire (solid)	Number/ Nom. Dia of Conductor Strand	Thickness Of Insulation (Nom.)	Approx. Overall Diameter	Current Carrying Capacity In Conduct/ Trunking	2 Cables Single Ø Unenclosed clipped directly to a surface or on cable trays	Conductor Resistance at @20°C max
mm	mm	mm	mm	mm	amps	amps	ohms/max
1.0	1 / 1.13	7 / 0.43	0.7	2.8	11	12	18.10
1.5	1 / 1.38	7 / 0.52	0.7	3.1	13	16	12.10
2.5	1 / 1.78	7 / 0.67	0.8	3.8	18	22	7.41
4.0	—	7 / 0.85	0.8	4.4	24	29	4.61
6.0	—	7 / 1.04	0.8	5.3	31	37	3.08
10	—	7 / 1.35	1.0	6.8	42	51	1.83
16	—	7 / 1.70	1.0	8.2	57	68	1.15
25	—	7 / 2.14	1.2	10.0	71	86	0.727
35	—	7 / 2.50	1.2	11.2	91	110	0.524
50	—	19 / 1.78	1.4	13.5	120	145	0.387

Single Core FR/FR-LSH PVC Insulated Flexible Copper Conductor (class-5) And PVC
Unsheathed Flexible Cable voltage grade 1100V Conforming to IS 694 : 2010

Nominal cross section area of conductor	Number/ Nom. dia of conductor strand	Thickness of insulation (Nom)	Overall dimension Approx	Current Rating	Conductor Resistance at @20 C max
mm	mm	mm	mm	mm	ohms/km
0.50	16/0.2	0.6	2.20	4	39
0.75	24/0.2	0.6	2.40	7	26
1.0	32/0.2	0.6	2.60	11	19.5
1.5	30/0.25	0.6	2.90	15	13.3
2.5	50/0.30	0.7	3.60	20	7.98
4.0	56/0.30	0.8	4.10	26	4.93
6.0	84/0.30	0.8	5.00	31	3.30
10	80/0.40	1.0	6.40	42	1.91
16	126/0.40	1.0	7.60	57	1.21
25	196/0.40	1.2	9.00	71	0.780
35	276/0.40	1.2	10.50	91	0.554
50	396/0.40	1.4	13.00	120	0.386

Single core PVC insulated stranded copper conductor and PVC sheathed cables for
fixed wiring in voltage grade 1100V Conforming to IS 694 : 2010

Nominal cross section area of conductor	Number/ Nom. dia of conductor strand	Thickness of insulation (Nom)	Nominal Thickness of sheath	Overall dimension Approx	Current Rating	Conductor Resistance at 20 C max
mm	mm	mm	mm	mm	mm	ohms/km
1.0	7/0.43	0.6	0.8	4.7	11	18.1
1.5	7/0.52	0.6	0.8	5.0	15	12.1
2.5	7/0.67	0.7	0.8	5.8	20	7.41
4.0	7/0.85	0.8	0.9	6.8	26	4.61
6.0	7/1.04	0.8	0.9	7.8	31	3.08
10	7/1.35	1.0	0.9	8.8	42	1.83
16	7/1.70	1.0	1.0	10.5	57	1.15
25	7/2.24	1.2	1.1	12.5	71	0.727
35	7/2.50	1.2	1.1	13.5	91	0.524
50	19/1.78	1.4	1.2	15.5	120	0.387

standard coloures : black, red, yellow and green (for Eathing). any colour on specific request can also be supplied. Supplied in 100 Mtr. Lgt. in attractive packing. Conforms to IS 694:2010.

Multicore Pvc Insulated Stranded Copper Conductor and PVC Sheathed Cables for fixed wiring in voltage grade 1100V Conforming to IS 694 : 2010

Nominal cross section area of conductor	Number/ Nom. dia of conductor strand	Thickness of insulation (Nom)	Nominal Thickness of sheath			Overall Dimension (Max.)			Current Rating	Conductor Resistance at 20°C max.
			Twin core	Three core	Four core	Twin core	Three core	Four core		
mm	mm	mm	mm	mm	mm	mm	mm	mm	amps	ohms/km
1.0	7 / 0.43	0.6	0.9	0.9	0.9	8.2	8.6	9.2	11	18.1
1.5	7 / 0.52	0.6	0.9	0.9	0.9	8.8	9.2	10	15	12.1
2.5	7 / 0.67	0.7	1.0	1.0	1.0	10.5	11	12	20	7.41
4.0	7 / 0.85	0.8	1.1	1.1	1.1	12	13	14	26	4.61
6.0	7 / 1.04	0.8	1.1	1.1	1.2	13.5	14.5	15.5	31	3.08
10	7 / 1.35	1.0	1.2	1.2	1.3	16.5	17.5	19.5	42	1.83
16	7 / 1.70	1.0	1.3	1.3	1.4	19	20	22.5	57	1.15
25	7 / 2.24	1.2	1.5	1.5	1.6	23	24.5	27.5	71	0.727
35	7 / 2.50	1.2	1.6	1.6	1.7	25.5	27.5	30.5	91	0.524
50	19 / 1.78	1.4	1.7	1.7	1.8	29.5	31.5	35	120	0.387

