



AN ISO 9001 COMPANY

FINECAB[®]
WIRES AND CABLES

Your Reliable Connect to Power

Trust Built
on Quality
**WITH 45 YEARS
TRADITION**



www.finecabcables.com

Welcome to **FINECAB Wires & Cables!**

Pioneering the Wire & Cable Manufacturing Industry in South India, **FINECAB** Wires & Cables have been the Reliable Connect to Power since **1973**. Be it in the Public & Private Sectors, Industrial or Infrastructure, Railways, Road ways, Sea Ports or Airports, Commercial & Residential Buildings, our customers have reliably connected to power through our quality cables.

FINECAB has been in sync with the ever changing technological improvements & innovations in the wire & cable Industry. In the last forty five years, **FINECAB** has always endeavoured to meet the growing requirement of its diverse customers. Over the years, we have multiplied our customer base by enhancing customer satisfaction through continual improvement of our product & processes.

FINECAB was promoted by our Chairman **Shri Ramnivas Bhutada** in **1973**. He is now ably supported by the youthful and energetic Managing Director **Shri Brijgopal Bhutada**. In the four and half decade journey, we have had the privilege to be driven by entrepreneurs with a rich wealth of experience, governed by our four 'P' philosophy of **PASSION, PRINCIPLES, PROFICIENCY** and **PEOPLE**.

MISSION

We are quality-centric and work with passion, dedication and integrity to achieve great standards and excellence by implementing technology and applying innovation.

VISION

Our Vision is to be recognised as the number one manufacturer of Electrical Cables & Wires in South India.

MANUFACTURING FACILITIES

FINECAB enjoys state of the art facilities, with advanced technology and contemporary machines. Located at IDA, Patancheru, about 35 Kms from Hyderabad, we at **FINECAB** have many special machines for manufacture of cables such as multi-wire drawing machines, skip stranding machines, drum twisters for power cable core laying, armouring machines and modern extrusion lines with triple head extrusion, DC drives, Servo Controllers, Automatic Temperature Controllers, etc.

Our Sophisticated and state of the art facility will ensure that all the cables manufactured by us are of excellent quality and fully conforming to specified requirements.

QUALITY ASSURANCE

FINECAB is regarded as a leading Cable manufacturer with Quality Management Systems in accordance with the latest International Quality Standard ISO 9001 – 2015. **FINECAB** has a Modern Test Laboratory fully equipped with all the latest Test Equipment.

SALES AND MARKETING

FINECAB success is due to the entrepreneurial zeal of its Management implemented by the Professional Team of highly experienced, dedicated and passionate Team of Engineers and Marketing Professionals with a strong relationship with our Associates and Channel Partners.

TEAM

We at **FINECAB** lay our emphasis on two things with utmost importance- The People and the Process. We have the privilege of having a team of well experienced and dedicated Engineers and Managers who have an excellent track record and who are passionate about their work. The efficient team has been the driving force in ensuring our success. At **FINECAB**, we strive for flawless execution, with a penchant for details. Over the years, our team has had the privilege of working on different projects with different clients in diverse segments catering to their varied requirements.

QUALITY POLICY

FINECAB is committed to manufacture and supply high quality wires and cables to its customers, while complying with the statutory, regulatory and other applicable requirements. It aims to enhance customer satisfaction by prompt delivery of quality products through implementation of quality management system and continually improving its effectiveness

REGISTRATIONS & APPROVALS

FINECAB is registered with all the leading Public & Private Sector Companies across India such as, **INDIAN RAILWAYS, TSGENCO, TSTRANSCO, APGENCO, APTRANSCO, TSSPDCL, APSPDCL, APEPDCL, MSEDCL, MAHA VITARAN, MAHA INFRA, CESC, SAIL, VSP, VPT, L&T, SHAAPOORJI PALLONJI, TATA PROJECTS, VIDEOCON GROUP, NFC, BHEL, PWD MAHARASHTRA, R&B, JSW STEEL, HESCOM, MECON, RDSO, etc.**

MEMBERSHIPS

FINECAB is also Member of prestigious trade bodies and associations such as **IEEMA, FTAPCCI, ERDA** etc.



FINECAB 1100 VOLTS SINGLE CORE FR/FRLSH PVC INSULATED MULTISTRAND COPPER CONDUCTOR CABLES CONFORMING TO IS: 694-2010

Nominal Area of Conductor	Nominal Thickness of Insulation	Nominal Overall Diameter	Max. Conductor Resistance at 20 °C	Current Carrying Capacity 2 cables, Single Phase ac	
				Enclosed in Conduit/trunking	Unenclosed clipped to a surface or on cable tray
Sq.mm.	mm	mm	Ohms / Km	Amps	Amps
1.0	0.70	2.8	18.10	11	12
1.5	0.70	3.1	12.10	13	16
2.5	0.80	3.8	7.41	18	22
4.0	0.80	4.6	4.95	24	29
6.0	0.80	5.3	3.30	31	37

NOTE: Sizes 1.0 to 2.5 sq.mm. are with conductor class 2 and 4.0 to 6.0 sq.mm. are with conductor class 5. 1.5 + sq.mm. is equivalent to 3/20 SWG size.

FINECAB 1100 VOLTS SINGLE CORE PVC INSULATED MULTISTRAND COPPER CONDUCTOR INDUSTRIAL WIRING CABLES AS PER IS: 694-2010

Nominal Area of Conductor	Nominal Thickness of Insulation	Appx. Overall Diameter	Max. Conductor Resistance at 20 °C	Current Carrying Capacity Clipped direct to surface or on cable tray bunched & unenclosed	
				2 Cables single phase ac or dc	3 or 4 cables 3 phase ac
Sq.mm.	mm	mm	Ohms / Km	Amps	Amps
10	1.0	6.5	1.91	51.0	45.0
16	1.0	7.5	1.21	68.0	61.0
25	1.2	9.5	0.780	86.0	78.0
35	1.2	10.5	0.554	110.0	99.0
50	1.4	12.0	0.386	145.0	135.0
70	1.4	14.5	0.272	200.0	180.0
95	1.6	16.0	0.206	235.0	215.0
120	1.6	18.5	0.161	270.0	240.0

FINECAB 1100 VOLTS ROUND MULTI CORE MULTISTRAND COPPER CONDUCTOR PVC INSULATED & SHEATHED CABLES AS PER IS: 694-2010

Cond. Area	Max. Conductor resistance at 20 °C	Nom. Thickness of Insulation	Appx. Dia over Insulation	Nom. Sheath Thickness			Appx. Overall Diameter			Current Rating
				2 Core	3 Core	4 Core	2 Core	3 Core	4 Core	
Sq.mm.	Ohms/Km	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	Amps
0.50	39.0	0.6	2.2	0.9	0.9	0.9	6.2	6.6	7.2	4
0.75	26.0	0.6	2.5	0.9	0.9	0.9	6.8	7.2	7.8	7
1.00	18.1	0.6	2.6	1.2	1.2	1.2	7.5	8.0	8.7	11
1.50	12.1	0.7	3.0	1.2	1.2	1.3	8.6	8.9	10.0	14
2.50	7.41	0.8	3.7	1.3	1.3	1.3	10.0	10.6	11.6	19
4.00	4.95	0.8	4.3	1.0	1.0	1.0	11.0	11.5	13.0	26

NOTE: Sizes 0.5, 0.75 and 4.0 sq. mm. are with conductor lass 5 and 1.0, 1.5 and 2.5 sq. mm. are with conductor class 2.

FINECAB 1100 VOLTS TWIN FLAT ALUMINIUM CONDUCTOR PVC INSULATED & SHEATHED (TWIN CORE) CABLES AS PER IS: 694-2010

Nominal Area of Conductor	Max. Conductor resistance at 20 °C	Nom. Insulation Thickness	Nom. Outer Sheath Thickness	Appx. Overall Size (W x T)	Current Rating
Sq.mm.	Ohms/Km	mm.	mm.	mm.	Amps
2.5	12.1	0.7	1.0	9.2 x 5.6	19
6.0	4.61	0.8	1.1	11.2 x 6.8	32
10.0	3.08	1.0	1.2	13.8 x 8.0	42
16.0	1.91	1.0	1.3	16.8 x 9.7	58

FINECAB 1100 VOLTS THREE CORE FLAT MULTISTRAND COPPER CONDUCTOR PVC INSULATED & PVC SHEATHED SUBMERSIBLE CABLES AS PER IS: 694-2010

Nominal Area of Conductor	Max. Conductor resistance at 20 °C	Nom. Insulation Thickness	Nom. Outer Sheath Thickness	Appx. Overall Size (W x T)	Current Rating
Sq.mm.	Ohms/Km	mm.	mm.	mm.	Amps
1.0	18.1	0.6	0.9	9.3 x 4.3	11
1.5	12.1	0.6	0.9	10.2 x 4.6	14
2.5	7.41	0.7	1.0	12.2 x 5.4	19
4.0	4.95	0.8	1.0	14.6 x 6.2	26
6.0	3.30	0.8	1.1	16.6 x 7.0	30
10	1.91	1.0	1.4	20.7 x 8.1	39
16	1.21	1.0	1.4	24.2 x 9.8	55
25	0.780	1.2	2.0	32.0 x 13.0	60
35	0.554	1.2	2.0	36.0 x 14.3	77
50	0.386	1.4	2.2	41.0 x 16.5	102

FINECAB 1.1 KV MULTI CORE ALUMINIUM CONDUCTOR XLPE INSULATED & PVC SHEATHED ARMoured CABLES AS PER IS: 7098 (Pt.-1) 1988

No. Of Cores	Nom. Cross sectional area	Nom. Thickness of Insulation	Min. Thickness of inner sheath	Galv. Steel Armour		Min. Thickness of outer sheath	Appx. Overall Diam. Of cable	Appx. Weight of cable	Max. dc Resistance of conductor at 20 °C	Current Rating	
				Round wire nom. Dia.	G.S. Flat strip nom. Thickness					In ground	In Air
No.	Sq.mm	mm.	mm.	mm.	mm.	mm.	mm.	Kg/Km	Ohms/Km	Amps.	Amps.
2 C	4	0.7	0.3	1.4	-	1.24	15.0	390	7.41	40	34
3 C	4	0.7	0.3	1.4	-	1.24	15.5	450	7.41	34	31
4 C	4	0.7	0.3	1.4	-	1.24	16.0	500	7.41	34	31
2 C	6	0.7	0.3	1.4	-	1.24	16.0	460	4.61	50	44
3 C	6	0.7	0.3	1.4	-	1.24	17.0	510	4.61	43	40
4 C	6	0.7	0.3	-	4 x 0.8	1.24	17.5	550	4.61	43	40
2 C	10	0.7	0.3	-	4 x 0.8	1.24	17.5	540	3.08	69	59
3 C	10	0.7	0.3	-	4 x 0.8	1.24	18.0	610	3.08	57	53
4 C	10	0.7	0.3	-	4 x 0.8	1.40	18.5	670	3.08	57	53

NOTE: Conductor is Solid Aluminium Upto 10 sq.mm

FINECAB 1.1 KV 3.5 CORE ALUMINIUM CONDUCTOR XLPE INSULATED & PVC SHEATHED ARMoured CABLES CONFORMING TO IS: 7098 (Pt. - 1) 1988

Nom. Cross sectional area		Thickness of XLPE Insulation		Min. Thickness of inner sheath	Nom. Size of GS Flat strip	Min. Thickness of outer sheath	Appx. Overall Diam. of cable	Appx. Weight of cable	Max. dc resistance of main core conductor at 20 °C	Current Rating	
Main core	Neutral core	Main core	Neutral core							In ground	In Air
Sq.mm.	Sq.mm.	mm.	mm.	mm.	mm.	mm.	mm.	Kg/Km	Ohms/Km	Amps.	Amps.
25	16	0.9	0.7	0.3	4 x 0.8	1.40	23.0	840	1.20	94	96
35	16	0.9	0.7	0.3	4 x 0.8	1.40	24.8	970	0.868	113	117
50	25	1.0	0.9	0.3	4 x 0.8	1.40	27.8	1220	0.641	133	142
70	35	1.1	0.9	0.4	4 x 0.8	1.56	31.8	1570	0.443	164	179
95	50	1.1	1.0	0.4	4 x 0.8	1.56	35.7	1860	0.320	196	221
120	70	1.2	1.1	0.4	4 x 0.8	1.72	38.5	2260	0.253	223	257
150	70	1.4	1.1	0.5	4 x 0.8	1.72	41.5	2550	0.206	249	292
185	95	1.6	1.1	0.5	4 x 0.8	1.88	47.0	3120	0.164	282	337
240	120	1.7	1.2	0.6	4 x 0.8	2.04	53.0	3880	0.125	326	399
300	150	1.8	1.4	0.6	4 x 0.8	2.20	56.5	4720	0.100	367	455
400	185	2.0	1.6	0.7	4 x 0.8	2.52	64.5	5750	0.0778	418	530

FINECAB 1.1 KV MULTI CORE COPPER CONDUCTOR XLPE INSULATED & FRLSH PVC SHEATHED ARMoured CABLES AS PER IS: 7098 (Pt.- 1) 1988

No. Of Cores	Nom. Cross sectional area	Nom. Thickness of Insulation	Min. Thickness of inner sheath	Galv. Steel Armour		Min. Thickness of outer sheath	Appx. Overall Diam. Of cable	Appx. Weight of cable	Max. dc Resistance of conductor at 20 °C	Current Rating	
				Round wire nom. Dia.	G.S. Flat strip nom. Thickness					In ground	In Air
No.	Sq.mm	mm.	mm.	mm.	mm.	mm.	mm.	Kg/Km	Ohms/Km	Amps.	Amps.
2 C	4	0.7	0.3	1.4	-	1.24	15.5	520	4.61	51	44
3 C	4	0.7	0.3	1.4	-	1.24	16.0	510	4.61	43	36
4 C	4	0.7	0.3	1.4	-	1.24	17.5	600	4.61	43	36
2 C	6	0.7	0.3	1.4	-	1.24	16.0	560	3.08	63	56
3 C	6	0.7	0.3	1.4	-	1.24	17.0	630	3.08	54	47
4 C	6	0.7	0.3	-	4 x 0.8	1.24	18.0	700	3.08	54	47
2 C	10	0.7	0.3	-	4 x 0.8	1.24	17.5	730	1.83	88	75
3 C	10	0.7	0.3	-	4 x 0.8	1.24	19.0	830	1.83	72	62
4 C	10	0.7	0.3	-	4 x 0.8	1.24	21.0	970	1.83	72	62
2 C	16	0.7	0.3	-	4 x 0.8	1.24	18.0	800	1.15	94	85
3 C	16	0.7	0.3	-	4 x 0.8	1.24	18.5	825	1.15	94	85
4 C	16	0.7	0.3	-	4 x 0.8	1.40	20.0	1275	1.15	94	85

NOTE: All the cables of the above table manufactured with Stranded Copper Conductor FR-LSH PVC outer sheath.

FINECAB 1.1 KV MULTI CORE COPPER CONDUCTOR XLPE INSULATED & FRLSH PVC SHEATHED ARMoured CABLES AS PER IS: 7098 (Pt.-1) 1988

No. Of Cores	Nom. Cross sectional area	Nom. Thickness of Insulation	Min. Thickness of inner sheath	Galv. Steel Armour		Min. Thickness of outer sheath	Appx. Overall Diam. of cable	Appx. Weight of cable	Max. dc Resistance of conductor at 20 °C	Current Rating	
				Round wire nom. Dia.	G.S. Flat strip nom. Thickness					In ground	In Air
No.	Sq.mm	mm.	mm.	mm.	mm.	mm.	mm.	Kg/Km	Ohms/Km	Amps.	Amps.
2 C	1.5	0.7	0.3	1.4	-	1.24	12.0	360	12.1	33	29
3 C	1.5	0.7	0.3	1.4	-	1.24	12.5	380	12.1	25	22
4 C	1.5	0.7	0.3	1.4	-	1.24	13.0	400	12.1	25	22
5 C	1.5	0.7	0.3	1.4	-	1.24	14.0	450	12.1	24	21
7 C	1.5	0.7	0.3	-	4 x 0.8	1.24	14.5	490	12.1	21	18
10 C	1.5	0.7	0.3	-	4 x 0.8	1.24	17.8	640	12.1	18	16
12 C	1.5	0.7	0.3	-	4 x 0.8	1.40	18.8	700	12.1	17	15
14 C	1.5	0.7	0.3	-	4 x 0.8	1.40	19.7	770	12.1	16	14
19 C	1.5	0.7	0.3	-	4 x 0.8	1.40	20.5	850	12.1	15	13
2 C	2.5	0.7	0.3	1.4	-	1.24	13.0	380	7.41	43	39
3 C	2.5	0.7	0.3	1.4	-	1.24	13.5	410	7.41	34	30
4 C	2.5	0.7	0.3	1.4	-	1.24	14.0	480	7.41	34	30
5 C	2.5	0.7	0.3	1.4	-	1.24	15.0	510	7.41	31	28
7 C	2.5	0.7	0.3	-	4 x 0.8	1.24	15.5	590	7.41	27	25
10 C	2.5	0.7	0.3	-	4 x 0.8	1.24	19.0	670	7.41	24	21
12 C	2.5	0.7	0.3	-	4 x 0.8	1.40	20.5	770	7.41	22	20
14 C	2.5	0.7	0.3	-	4 x 0.8	1.40	21.0	840	7.41	21	19
19 C	2.5	0.7	0.3	-	4 x 0.8	1.40	24.0	980	7.41	19	17

NOTE: All the cables of the above table manufactured with Stranded Copper Conductor FR-LSH PVC outer sheath.

FINECAB HT 11 KV (E) 3 CORE ALUMINIUM CONDUCTOR XLPE INSULATED ARMoured CABLES AS PER IS: 7098(Pt.- 2)

Nom. Cross sectional area	Nom. Thickness of XLPE Insulation	Min. Thickness of PVC inner sheath	Nom. Size of GS Flat strip	Min. Thickness of outer sheath	Appx. Overall Diam. of cable	Appx. Weight of cable	Max. dc Resistance of conductor at 20 °C	Current Rating	
								In ground	In Air
Sq.mm	mm.	mm.	mm.	mm.	mm.	Kg/Km	Ohms/Km	Amps.	Amps.
25	3.6	0.4	4 X 0.8	1.72	42.3	2200	1.200	95	105
35	3.6	0.5	4 X 0.8	1.72	45.3	2450	0.868	115	125
50	3.6	0.5	4 X 0.8	1.88	47.7	2750	0.641	130	150
70	3.6	0.5	4 X 0.8	1.88	51.1	3230	0.443	160	190
95	3.6	0.6	4 X 0.8	2.04	56.0	3830	0.320	190	230
120	3.6	0.6	4 X 0.8	2.20	59.0	4270	0.253	220	260
150	3.6	0.6	4 X 0.8	2.20	62.0	4640	0.206	245	295
185	3.6	0.7	4 X 0.8	2.36	66.0	5350	0.164	275	335
240	3.6	0.7	4 X 0.8	2.52	71.4	6200	0.125	315	395
300	3.6	0.7	4 X 0.8	2.68	76.3	7160	0.100	355	450
400	3.6	0.7	4 X 0.8	2.84	83.2	8650	0.0778	400	520

CERTIFICATES



IS: 694



IS: 1554 (Part I)



IS: 7098 (Part I)



IS: 7098 (Part II)

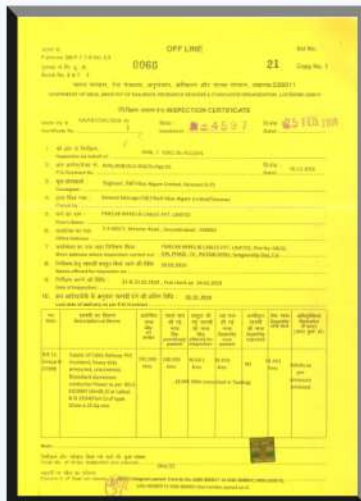


ISO 9001:2015



IS: 14255

INSPECTION CERTIFICATES



RDSO



ERDA



RITES

OUR ESTEEMED CUSTOMERS



PRODUCT RANGE

- FR / FR LSH / HFFR Insulated Multistrand Cables
- PVC Insulated Industrial Multistrand Cables
- PVC Insulated Industrial Flexible Single / Multicore Cables
- 3 Core Flat Submersible Cables / Service Wire
- PVC Insulated Power & Control Cables
- XLPE Insulated Power & Control Cables
- HT XLPE Power Cables
- FR / FRLSH Power & Control Cables
- Railway Signalling Cables
- Aerial Bunched Cables
- Solar Cables
- Co-Axial Cables
- UTP / LAN Cables - Cat 5E & Cat 6E

