KCW

KALYA CABLES & WIRES

SAFE • RELIABLE • EFFICIENT

Safety You Can Trust!

CE

ISO 9001 : 2015 | ISO 14001 : 2015 | ISO 45001 : 2018

KALYA INDUSTRIES

www.kalyaindustries.com

KALYA CABLES & WIRES

SAFE • RELIABLE • EFFICIENT

Welcome to KCW – Kalya Cables & Wires

Powering Safety, Ensuring Reliability

KCW: Where innovation meets safety and performance.
Built on a foundation of trust, quality, and excellence,
we manufacture high-performance cables and wires designed for
superior conductivity, fire resistance, and long lasting durability
making every connection safer and stronger.

With cutting-edge technology and stringent quality control,
we ensure that every wire meets the highest industry standards.
Whether for homes, industries, or commercial spaces,
KCW promises efficiency, reliability, and a future-ready approach
to power solutions.

KCW – The Wire You Can Trust.

CERTIFICATIONS

KVQA

Certificate of Registration

(Quality Management System)

KVQA CERTIFICATION SERVICES PVT. LTD.

This is to certify that the Quality Management System of

KALYA INDUSTRIES PRIVATE LIMITED

Head office - F. No. 4, Tarakunj Building, Adgaon Naka, Panchavati, Nashik – 422003, Maharashtra, India

Factory: Wing 6, J-1-2 , Gut No. 141, Jondhale Ware House, Mumbai - Agra Highway, Jaulke Shivar, Nashik – 422206, Maharashtra, India

Has been found to comply with the requirements of

ISO 9001:2015

This Certificate is valid for the following Product or service range

Manufacture of Electrical Cables & Wires

1st Surveillance Due On: 23/08/2025: Done On:
2nd Surveillance Due On: 23/08/2026: Done On:

Certificate No.: KDACQ202409083
Date of Issue: 23, September, 2024
Valid Until: 22, September, 2027*

Issued by –
Authorised Signatory KVQA

IAF

CB-QMS-045

To Check the Status of the Certification, kindly log on to www.kvqa.in
I-300, Sector -63, Noida U.P., India. Ph 0120-2771940, 2771941
email:delhi@kvqaindia.com
*Subject to successful completion of surveillance audits

KVQA

Certificate of Registration

(Environmental Management System)

KVQA CERTIFICATION SERVICES PVT. LTD.

This is to certify that the Environmental Management System of

KALYA INDUSTRIES PRIVATE LIMITED

Head office - F. No. 4, Tarakunj Building, Adgaon Naka, Panchavati, Nashik – 422003, Maharashtra, India

Factory: Wing 6, J-1-2 , Gut No. 141, Jondhale Ware House, Mumbai - Agra Highway, Jaulke Shivar, Nashik – 422206, Maharashtra, India

Has been found to comply with the requirements of

ISO 14001:2015

This Certificate is valid for the following Product or service range

Manufacture of Electrical Cables & Wires

1st Surveillance Due On: 23/08/2025: Done On:
2nd Surveillance Due On: 23/08/2026: Done On:

Certificate No.: KDACE202409014
Date of Issue: 23, September, 2024
Valid Until: 22, September, 2027*

Issued by –
Authorised Signatory KVQA

IAF

CB-EMS-045

To Check the Status of the Certification, kindly log on to www.kvqa.in
I-300, Sector -63, Noida U.P., India. Ph 0120-2771940, 2771941.
*Subject to successful completion of surveillance audits

KVQA

Certificate of Registration

(Occupational Health & Safety Management System)

KVQA CERTIFICATION SERVICES PVT. LTD.

This is to certify that the Occupational Health & Safety Management System of

KALYA INDUSTRIES PRIVATE LIMITED

Head office - F. No. 4, Tarakunj Building, Adgaon Naka, Panchavati, Nashik – 422003, Maharashtra, India

Factory: Wing 6, J-1-2 , Gut No. 141, Jondhale Ware House, Mumbai - Agra Highway, Jaulke Shivar, Nashik – 422206, Maharashtra, India

Has been found to comply with the requirements of

ISO 45001:2018

This Certificate is valid for the following Product or service range

Manufacture of Electrical Cables & Wires

1st Surveillance Due On: 23/08/2025: Done On:
2nd Surveillance Due On: 23/08/2026: Done On:

Certificate No.: KDACQ202409010
Date of Issue: 23, September, 2024
Valid Until: 22, September, 2027*

Issued by –
Authorised Signatory KVQA

IAF

CB-OHSMS-045

To Check the Status of the Certification, kindly log on to www.kvqa.in
I-208, Sector-63, Noida U.P., India. Ph 0120-2771940, 2771941.
email:delhi@kvqaindia.com
*Subject to successful completion of surveillance audits

CE - MARKING (CONFORMITE EUROPEAN)

Certificate of Compliance

This is to certify that

KALYA INDUSTRIES PRIVATE LIMITED

Located at

HEAD OFFICE - F. NO. 4, TARAKUNJ BUILDING, ADGAON NAKA, PANCHAVATI, NASHIK - 422003, MAHARASHTRA, INDIA

FACTORY: WING 6, J-1-2, GUT NO. 141, JONDHALE WARE HOUSE, MUMBAI - AGRA HIGHWAY, JAULKE SHIVAR, NASHIK - 422206, MAHARASHTRA, INDIA

has been Assessed against the Requirements of the Low voltage Directive (LVD) (2014/35/EU) & have been reviewed and found to comply with

CE - Marking
(European Conformity)

for the following Products

"MANUFACTURE OF ELECTRICAL CABLES & WIRES."

This certificate is not transferable and remains the property of MAP CERTIFICATIONS PVT. LTD. & shall be returned immediately upon request. Validity of this certificate is subject to successful completion of yearly surveillance audit on or before the due date. (In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/ Withdrawal).

Certificate Number: M/IN-CEI245031

This certificate is valid from September 24, 2024 until September 24, 2025

Initial Registration Date	: September 24, 2024
Current Issue Date	: September 24, 2024
I Surveillance Due on	: September 23, 2025
II Surveillance Due on	: September 23, 2026
Date of Expiry	: September 23, 2027

(Certification Manager)

CE - Mark Certified

CE - Mark Registered

MAP CERTIFICATIONS PVT. LTD.

India Office: 1/855, Sector-1, Vasundhara, Ghaziabad – 201012, Uttar Pradesh, India.
International office: 185 Don Minzker Dr, Brampton, ON L6P 2V1 Canada

MACCIA 100

MAHARASHTRA CHAMBER OF COMMERCE, INDUSTRY & AGRICULTURE

This is to certify that

M/S. Kalya Industries Pvt Ltd

Nashik

has been approved as a

TERM MEMBER

Membership No. - MCTM-2826

From: 29.03.2024 To: 31.03.2044

For MAHARASHTRA CHAMBER OF COMMERCE, INDUSTRY & AGRICULTURE

Lalit Gandhi
President

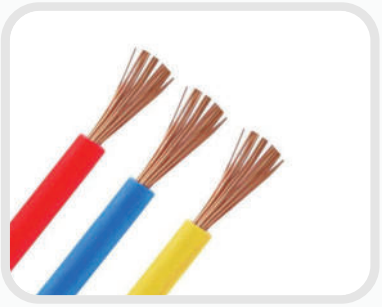
Suresh Ghorpade
Secretary General

Rodent Protection

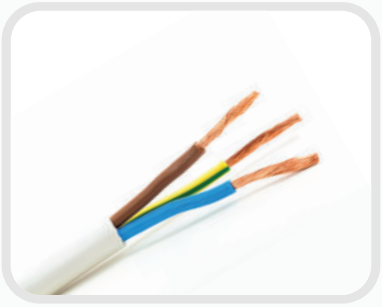
RoHS COMPLIANT

REACH Compliant

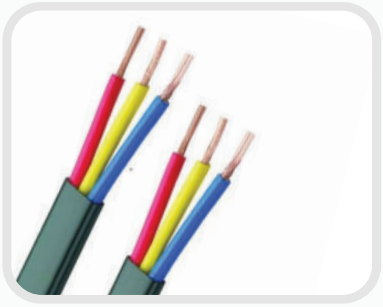
OUR PRODUCT RANGE



House Wire



Panel Wire



Flat 3 Core Cable

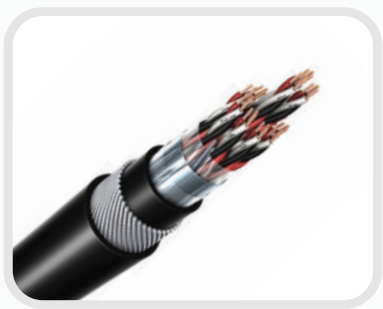
Round Multi-core Cable

Twin Twisted Cable

Twin Flat Aluminum Cable

Solar Cable

Cat 6 Cable



Instrumentation Cable

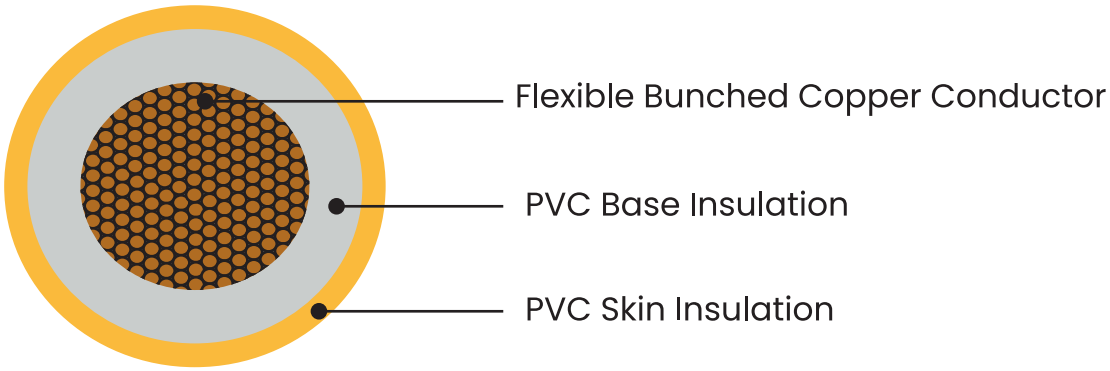
Speaker Cable

APPLICATION

KCW Single core FR-LF wire is environment friendly & suitable for use where high flexibility is of prime importance. This is also appropriate for indoor and outdoor installation in industries, household appliances, power supply for refrigerator & air conditions as well as building electrification.

CABLES DESIGNATION/TYPE

LF-FR



PRODUCT FEATURE

- Flame Retardant
- Smooth & glossy surface with enhanced lubrication properties
- High Insulation Resistance
- ROHS Complaint

DESIGN

- Plain annealed bunched circular copper conductor
- Insulation Flexible PVC compound

AVAILABLE COLORS

Red, Yellow, Blue, Black, Green

APPLICABLE STANDARD

- IS 694 : 2010
- IEC 60332 - 1 : 2004
- ASTM 2863 : ASTM D2803 - 17 a

APPROVALS

- IS 8130 : 2013 BIS
- CE

CABLE CHARACTERISTICS

- Nominal Voltage (UO/U) : 600/1100 V
- Max Operating Temperature : 70°C
- Temperature Range : -15C to +70°C
- Flame Resistance : ASTM D2863
- Flammability : IEC 60332 - 1:2004
- Minimum Bending Radius : 8D

LF-FR

Normal Area of Conductor SQ.MM.	Max Diameter Of each strand	Thickness of Insulation (Nom.) mm.	Approx. Overall Diameter mm.	Current Carrying Capacity Rating Amps.	Resistance (Max.) Per Km.@20° Ohms
**0.75	24/0.20	0.6	2.5	7	26
*1	14/0.30	0.7	2.8	12	18.1
*1.5	22/0.30	0.7	3.1	16	12.1
*2.5	36/0.30	0.8	3.8	22	7.41
**4	56/0.30	0.8	4.4	29	4.95
**6	84/0.30	0.8	5.2	37	3.3
**10	80/0.40	1.0	5.8	51	1.91
**16	126/0.40	1.0	6.8	68	1.21

*Class 2 Conductor As Per IS 8130

**Class 5 Conductor As Per IS 8130

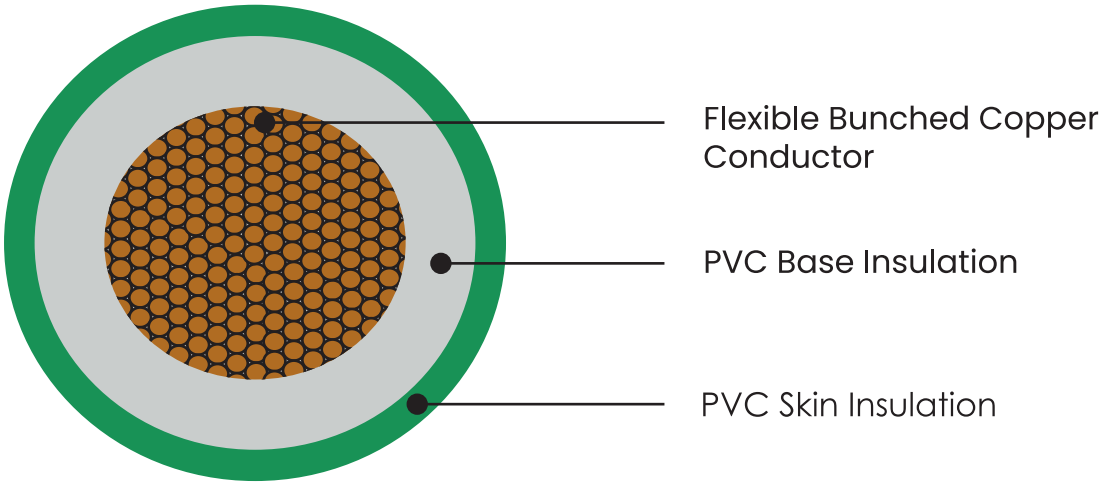
SINGLE CORE CABLES

APPLICATIONS

KCW Single core FR-LSH unsheathed insulated wire is well suited for residential wiring, either through embedded conduit or on the surface of the wall. These wires have enhanced flame resistant properties and low smoke generation making it is appropriate for use in all high rise buildings, malls and hospitals.

CABLES DESIGNATION/TYPE

FR-LSH



PRODUCT FEATURE

- Flame Retardant
- Smooth & glossy surface with enhanced lubrication properties
- High Insulation Resistance
- ROHS Complaint

DESIGN

- Plain annealed bunched circular copper conductor
- Insulation: Flexible PVC compound

AVAILABLE COLORS

Red, Yellow, Blue, Black, Green

APPLICABLE STANDARDS

- IS 694
- ASTM D2863
- ASTM D2843-16
- IEC 60332 - 1 : 2004
- IEC 60754-1 : 2011

APPROVALS

- IS 8130:2013
- CE

CABLE CHARACTERISTICS

- Nominal Voltage (UO/U) : 600/1100 V
- Max Operating Temperature : 85°C
- Temperature Range : -15C to + 85°C
- Flame Resistance : ASTM 2863
- Flammability : IEC 60332 - 1
- Minimum Bending Radius : 8D

FR-LSH

Normal Area of Conductor SQ.MM.	Max Diameter of each strand	Thickness of Insulation (Nom.) mm.	Current Carrying Capacity Rating Amps.	Current Carrying Capacity Rating Amps.	Resistance (Max.) Per Km.@200 Ohms
**0.75	24/0.20	0.6	2.5	8.4	26
*1	14/0.30	0.7	2.8	14.4	18.1
*1.5	22/0.30	0.7	3.1	19.2	12.1
*2.5	36/0.30	0.8	3.8	26.4	7.41
**4	56/0.30	0.8	4.4	34.8	4.95
**6	84/0.30	0.8	5.2	44.4	3.3
**10	80/0.40	1.0	5.8	61.2	1.91
**16	126/0.40	1.0	6.8	81.6	1.21

*Class 2 Conductor As Per IS 8130

**Class 5 Conductor As Per IS 8130

THE ABOVE DATA IS INDICATIVE AND MAY BE REVISED WITHOUT PRIOR INFORMATION. "KCW" WILL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF INCORRECT APPLICATION OF ITS PRODUCTS

ZHFR : ZERO HALOGEN FLAME RETARDANT

ZHFR CABLES

ZH-FR represents our dedication to environmental sustainability. This eco-friendly solution, combined with improved safety measures for fire incidents, is designed to mitigate the primary cause of death in indoor fires: smoke inhalation.
In the unfortunate event of a fire, Ban Fire - ZH-FR, crafted from specially developed in-house PVC polymers, minimizes smoke and halogen gas emissions, ensuring the safety of people in residential and commercial spaces, facilitating their rescue.

AVAILABLE COLORS

Red Yellow Blue Black Green

PROPERTIES

Test	Test Method	Values
Limited Oxygen Index	IS 10810 P - 58	>29%
Limited Temp. Index	IS 10810 P - 64	>2500 C

1100 Voltage Grade for Industrial application

Sheath Normal Cross sectional area Of conductor	Number/ Nom. Dia of Cond. Strands*	Max. Conductor Resistance per Km at 200C	Normal Overall Diameter Of Cable	Normal Thickness Of Insulation	Current Carrying Capacity 2 Cables Single Phase	
					In Conduit/ Trunking	Unenclosed Clipped directly to a surface or on cable tray
Sq.mm.	mm.	ohms	mm.	mm.	Amps.	Amps.
**0.50	16/0.20	39.00	2.20	0.6	4	4
**0.75	24/0.20	26.00	2.30	0.6	8	8
*1.00	14/0.30	18.10	2.70	0.7	12	13
*1.50	22/0.30	12.10	3.00	0.7	14	18
*2.50	36/0.30	07.41	3.60	0.8	20	24
**4.00	56/0.30	04.95	4.00	0.8	26	32
**6.00	84/0.30	03.30	4.60	0.8	34	41
**10.0	140/0.30	01.91	6.10	1.0	47	58
**16.0	126/0.40	01.21	7.20	1.0	65	79

*Class 2 Conductor As Per IS 8130

**Class 5 Conductor As Per IS 8130

CONSTRUCTION

Conductor : 99.98% Pure electrolyte grade bright Annealed Bare Copper.

Insulation : ZH-FR PVC compound with a high insulation resistance ensures uninterrupted power supply at all weather condition.

Operating Temp : -15°C to maximum + 85°C

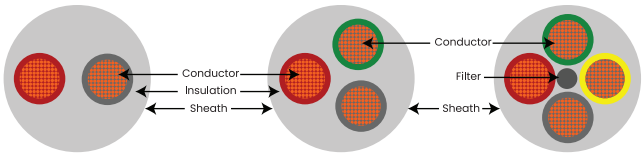
Cu 100% Electrolytec Copper

Power Saving

Extra annealing for better Flexibility

FR Wire

MULTI-CORE FLEXIBLE CABLE



KCW Multi core FR PVC insulated and PVC Sheathed Flexible cable combination to IS 694 is made with a highly flexible conductor and specially formulated FR (Flame Retardant) flexible PVC insulation and PVC sheathing compound that impart superior flexibility to the cable. Also made with FR-LSH grade sheathing less toxic gases.

APPLICATION

MULTI-CORE SHEATHED CABLES have a wide range of application in housing appliances, machine, tools, control panels & other industrial applications.
This product is made from specially formulated PVC compound which has excellent flexibility, abrasion properties & uniform laying which make it easily strippable. These cables facilitate the organization and management of complex industrial processes by enabling the connection of multiple devices.

KCW Multi-core cables play a pivotal role in ensuring the reliable and safe operation of industrial equipment, making them a fundamental component in various industrial sectors.

CONSTRUCTION

Conductor	:	99.98% Pure electrolyte grade Bright Annealed Bare Copper.
Insulation	:	FR PVC/ FR-LSH PVC compound with a high insulation resistance ensures uninterrupted power supply at all weather condition.
Operating Temp	:	Operating Temp : -15°C to maximum + 85°C

FLEXIBLE PVC INSULATED AND SHEATHED CABLE (CIRCULAR) UP-TO 1100V AS PER IS 694 : 2010

KCW
KALYA CABLES & WIRES
SAFE • RELIABLE • EFFICIENT

Sheath Nominal Cross Sectional Area of Conductor	Number/ Nom. Dia of Cond. Strands*	Normal Thickness Of Insulation	2 Core		3 Core		4 Core		5 Core		Max. Conductor Resistance @200C
			Nor. Thickness of Sheath	Max O/all Dia	Nor. Thickness of Sheath	Max O/All Dia	Nor. Thickness of Sheath	Max O/all Dia	Nor. Thickness of Sheath	Max O/all Dia	
Sq.mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	Ohm/Amp
0.50	16/0.20	0.6	0.9	6.9	0.9	7.3	0.9	8.0	0.9	8.7	39
0.75	24/0.20	0.6	0.9	7.3	0.9	7.7	0.9	8.4	0.9	9.2	25
1.00	32/0.20	0.6	0.9	7.6	0.9	8.1	0.9	8.8	1.0	9.5	19.5
1.50	30/0.25	0.6	0.9	8.9	0.9	9.4	1.0	10.0	1.0	11.4	13.3
2.50	36/0.30	0.7	1.0	10.3	1.0	10.9	1.0	12.5	1.0	13.2	7.98
4.00	50/0.25	0.8	1.09	11.5	1.09	12.4	1.0	13.5	1.1	15.3	4.95

FLEXIBLE PVC INSULATED AND SHEATHED CABLE (CIRCULAR) UP-TO 1100V AS PER IS 694 : 2010

Sheath Nominal Cross Sectional Area of Conductor	Number/ Nom. Dia of Cond. Strands*	Normal Thickness of Insulation	2 Core		3 Core		4 Core		Max. Conductor Resistance @200C
			Nor. Thickness of Sheath	Max O/all Dia	Nor. Thickness of Sheath	Max O/All Dia	Nor. Thickness of Sheath	Max O/all Dia	
Sq.mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	Ohm/Amp
6.00	84/0.30	0.8	1.1	13.0	1.2	13.8	1.2	15.47	3.30
10.00	140/0.30	1.0	1.3	16.3	1.4	17.59	1.4	19.50	1.91
16.00	226/0.30	1.0	1.4	19.4	1.4	20.60	1.4	23.00	1.21
25.00	354/0.30	1.2	1.4	23.8	1.5	25.60	1.6	28.50	0.78
35.00	495/0.30	1.2	1.6	27.2	1.6	29.30	1.7	32.70	0.554

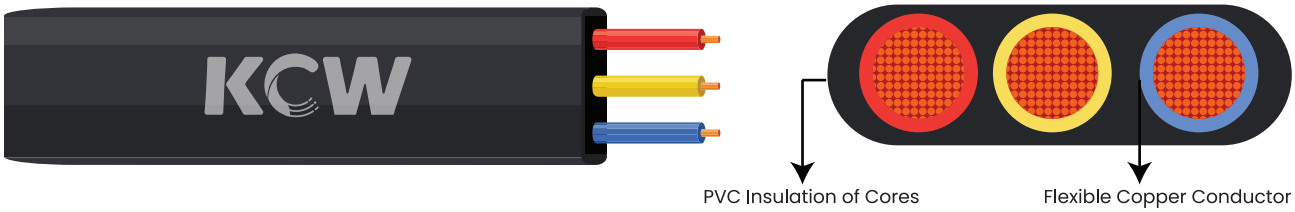
Cu 100% Electrolytec Copper

Power Saving

Extra annealing for better Flexibility

FR Wire

FLAT CABLE



KCW FLAT CABLES are manufactured keeping in mind the severe and difficult conditions in which they are required to perform. The individual conductors are made from bright electrolytic grade copper. The wires are drawn, annealed and bunched properly to ensure flexibility and uniform resistance. Each of the three copper conductors is insulated with a special BLVD. Compound formulated and manufactured in-house, the cores are laid up in flat parallel position. The outer sheath of the cable is made from a special grade of abrasion resistant PVC compound impervious to water, grease, oil, etc.

3 CORE FLAT CABLES AS PER IS : 2010 WITH ISI MARK

Conductor		Insulation	Sheath	Overall Dimensions		Conductor Resistance @20C	Current carrying capacity @40C Amps
Area of sq.mm	No/ Dia of stands mm	Thickness (Nom.) mm	Thickness (Nom.) mm	Thickness (Nom.) mm	Height (Approx.) mm		
mm.	mm.	mm.	mm.	mm.	mm.	ohm/km	Amps
1.50	22/0.30	0.6	0.9	11.0	13.30	13.30	13
2.50	36/0.30	0.7	1.0	13.0	7.98	7.98	18
4.00	56/0.30	0.8	1.0	15.3	4.95	4.95	24

3 CORE FLAT CABLES AS PER IS : 2010 WITH ISI MARK

Conductor		Insulation	Sheath	Overall Dimension		Conductor Resistance @20C	Current Carrying Capacity @40C Amps
Area sq.mm	No./ Dia of strands mm	Thickness (Nom.) mm	Width (Approx.) mm	Width (Approx.) mm	Height (Approx.) mm		
mm.	mm.	mm.	mm.	mm.	mm.	ohm/km	Amps
6.00	84/0/.30	1.0	1.15	18.7	7.9	3.30	31
10.0	140/0.30	1.0	1.40	23.7	9.9	1.91	42
16.0	226/0.30	1.0	1.40	28.0	11.4	1.21	57
25.0	354/0.30	1.2	2.00	35.5	14.7	0.780	72
35.0	495/0.30	1.2	2.00	39.5	16.2	0.554	90
50.0	703/0.30	1.4	2.20	45.5	18.3	0.386	115
70.0	360/0.50	1.4	2.20	51.0	20.0	0.272	143
95.0	475/0.50	1.6	2.40	60.0	23.5	0.206	165

Note: The strand diameter is nominal. However, construction of conductor is designed to satisfy the requirements of conductor resistance as per Is 8130: 1984.
**As per Conductor Class 5 of IS 8130:1984

SELECTION GUIDE FOR 3 CORE FLAT CABLE

1. HP vs Current: The full load current for submersible pump motors, 3 phase, 50 cycles, 415-425 V.

HP	5.0	7.5	10.0	12.5	15.5	17.5	20.0	25.0	30.0	35.0
AMP	7.5	11.0	14.9	18.9	22.5	22.5	28.4	35.6	42.3	50.4

HP	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0
AMP	58.1	62.1	67.5	73.8	81.0	81.0	93.6	100.8	108.0

2. Derating Factors: Multiply the current carrying of cable by factors given below for various ambient temp.

Ambient Temp.° C	Ambient Temp.° C
30	1.09
35	1.04
40	1.00
45	0.95
50	0.77

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KALYA CABLES & WIRES

SAFE • RELIABLE • EFFICIENT

Product Range

- House Wire
- Flat 3 Core Cable
- Flexible Single Core
- Round Multicore Cable
- Twin Twisted Cable
- Speaker Cable
- Twin Flat Aluminum (Service Cable)
- Solar Cable
- Cat 6 Cable
- Instrumentation Cable
- Panel Wire

FLAME RETARDANT

RODENT PROTECTION

LEAD FREE PVC INSULATION

ENERGY SAVING CONSTRUCTION

MOISTURE RESISTANT

Cu

99.97% HIGH PURITY COPPER

Address
Tarakunj, Near Swami Narayan Temple,
New Adgaon Naka, Panchavati,
Nashik - 422003, Maharashtra, India.

Factory Address
Wing 6, Gut No. 141, Jondhale Ware House,
Mumbai – Agra Highway, Jaulke Shivar,
Nashik - 422206

Website :-www.kalyaindustries.com

Email :- info@kalyaindustries.com

Customer Care:- +91 8855072198