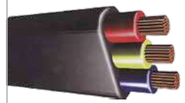
Submersible Flat Cables (Three Core) for Voltage up to 1100 V AC

- Fits perfect required Grommet
- As per IS dimension
- Perfect sheathing for under water application



Technical Specification

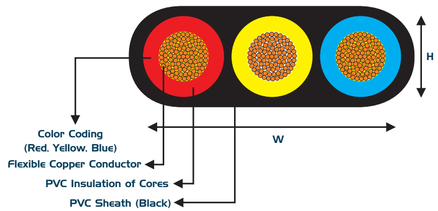
Conductor: Nicely bunched high purity bright, electrolytic grade, plain annealed copper with superb flexibility according to harmonized grades HO5V-K, HO7V-K, BS 6360 class 5 available in various sizes.

Insulation & Sheathing: Generally available with general purpose insulation and normal PVC sheathing, choice of insulation and sheathing is available on special order.

Three Core Flat Flexible Industrial Cable For Submersible Pump Motors, 1100 Voltage Grade

Nominal Area of Conductor	INSULATION			Overall Dimensions (Max.)		Max. Conductor Resistance at 20°C (Max.)	Current Carrying Capacity at 40°C
	*Number/ Size of Wire for each Core	Thickness (Nom.)	Core Dia. (Nom.)	Width (W)	Height (H)		
sq.mm	mm	mm	mm	mm	mm	Ohm/Km	Amps
1.50	30/0.25	0.6	2.9	12.0	5.6	13.3	14
2.50	50/0.25	0.7	3.5	13.0	6.2	7.98	18
4.00	56/0.30	0.8	4.0	15.3	7.1	4.95	26
6.00	84/0.30	0.8	4.9	19.2	8.4	3.3	31
10.00	80/0.40	1.0	6.2	24.2	10.40	1.91	42
16.00	126/0.40	1.0	7.3	29.0	12.40	1.21	57
25.00	196/0.40	1.2	8.9	36.5	15.70	0.78	72
35.00	276/0.40	1.2	10.1	40.5	17.20	0.554	90

Note: All Conductor shall be as per class 5 IS: 8130. Supplied in 500+ 5% metre packing on drums. Can also be supplied in 100 metre packing on request. *The number and diameter of conductor strands are for reference only. Conductor resistance as per IS:8130 is the governing criteria.
The above data is indicative and may be revised without prior intimation.



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CMD'S MESSAGE

MR. ANIL GUPTA
Chairman & Managing Director
KEI Industries Limited

KEI Industries, an Indian MNC founded in 1968, is a global leader in wire and cable solutions having an extensive range of world-class products an d services. With multiple robust & cutting edge manufacturing facilities and a vast network of more than 30,000 channel partners, KEI serves clients in 65+ countries, establishing itself as a one-stop-shop for comprehensive wire and cable solutions. The company achieved a turnover of INR 8000+ crore in the fiscal year 2023-24.

As the world faces the pressing challenges of global warming and climate change, KEI Industries is dedicated to leading the way towards a sustainable and a carbon-neutral future. Our dedication involves using clean gas and solar energy, alongside advanced air and water treatment systems, to eliminate hazardous chemicals and ensure a safe, sustainable environment. Our diverse array of products also reflects our strong commitment towards building an eco-friendly efficient surrounding. With an ongoing focus on innovation, KEI is positioned to lead in sustainability while meeting the demands of global consumers through using cutting-edge technologies, driving progress and setting new standards for environmental responsibility.

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Multicore Flexible Cable for Appliances & Machine tools

- Compact Construction reduce weight per metre
- Rugged yet flexible for industrial use
- High temperature insulation

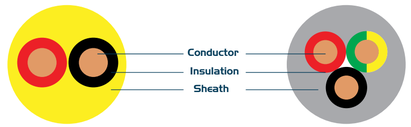
Technical Specification

Type of Insulation	Type of Sheathling	Type of Sheathling	Typical Application
Standard PVC	Standard PVC, HRPVC	IS 694, BS 6500, IEC 60227, DIN VDE-0281	Power cords for appliance, temporary power supplies. 3 core flat cables are suitable for submersible pump applications.
Heat Resistant PVC up to 105°C	Standard PVC, HRPVC	IS 694, BS 6500, IEC 60227, DIN VDE-0281	Hi-power appliances, ovens, temporary power supply in higher temperature areas.
Standard PVC of FR-LSH	FR-LSH Flame Retardant Low Smoke & Halogen	IS 694, BS 6500, IEC 60227, DIN VDE-0281, IEC 60754-1, IEC 60332-1, BS-4066-1, ASTMD 2843, ASTMD-2863	Power cords for application used in fire prone areas, flame proof equipments, machine tools used in critical locations and heat zones.

KEI Multicore Round Insulated Copper Conductor And Sheathed Flexible Cables, 1100 Voltage Grade

Nominal Cross Sectional Area of Conductor	Number/ Nom. Dia of strands	Thickness of insulation (Nom)	Nominal Thickness of sheath			Approx. Overall Diameter			Current Rating AC	Voltage drop/ Amp/ Meter		Nominal Cross Sectional Area of Conductor
			Two core	Three core	Four core	Two core	Three core	Four core		DC or single Phase AC	3 Phase AC	
sq.mm	mm	mm	mm	mm	mm	mm	mm	mm	Amps	mV	mV	ohms
0.5	16/0.20	0.6	0.9	0.9	0.9	6.2	6.6	7.2	6	83	72	39.0
0.75	24/0.20	0.6	0.9	0.9	0.9	6.5	6.9	7.6	9	56	48	26.0
1.0	32/0.20	0.6	0.9	0.9	0.9	6.9	7.3	8.2	14	43	37	19.5
1.5	30/0.25	0.6	0.9	0.9	0.9	7.6	8.2	9.3	18	31	26	13.3
2.5	50/0.25	0.7	1.0	1.0	1.0	9.0	9.6	10.5	24	18	16	7.98
4.0	56/0.30	0.8	1.0	1.0	1.0	10.3	10.9	12.3	32	11	9.6	4.95

Note: Conductor as per class 5. Supplied in 100 metre lengths with black outer sheath and in bigger packing on request. Any colour on specific request can be supplied, in economical run. Higher sizes of nominal cross sectional area of conductor area are also available on request.
*The number and diameter of conductor strands are for reference only. Conductor resistance as per IS:81 30 is the governing criteria. The above data is indicative and may be revised without prior intimation.



Single Core Insulated Copper Conductor (Unsheathed) Flexible Cable, 1100 Voltage Grade for Industrial Application

- Higher safety factors
- Compact construction
- Choice of superior insulation system for meeting IEC classification, temperature rise, protection etc.

Technical Specification

	FR	FR-LSH	ZHFR
Type of insulation	70°C/105°C Heat Resistant PVC	Flame Retardant Low Smoke Halogen	Halogen Free Flame Retardant (HFFR) From 1.0 to 4.0 sq.mm.
Typical applications	Wiring of panels for use in high ambient temperature	Wiring in high density critical installations in public places and fire prone areas	Wiring in high density critical installations in public places and in vicinity of electronic systems
Applicable standards	IS-694, BS 6004, IEC 60227, DIN VDE-0281-3	IIEC 60332-1, BS 4066-1, EIC-60754-1, ASTMD-2843, ASTMD-2863	IEC 60332-183, BS 4066-183, IEC 60754-1&2, ASTMD-2863, BS 7211, DIN VDE-0282-9

Single Core Insulated Copper Conductor (Unsheathed) Flexible Cables, 1100 Voltage Grade for Industrial Application

Nominal Cross Sectional Area of Conductor	Number/ Nom. Dia of strands	Thickness of insulation (Nom)	Approx. Overall Diameter	Max. Current Carrying Capacity	Max. Conductor Resistance per KM at 20° C
sq.mm	mm	mm	mm	Amps	Ohms
10	80/0.4	1.0	6.30	10	10
16	126/0.4	1.0	7.40	16	16
25	196/0.4	1.2	9.10	25	25
35	276/0.4	1.2	10.30	35	35
50	396/0.4	1.4	12.20	50	50
70	354/0.5	1.4	14.10	70	70
95	484/0.5	1.6	16.40	95	95
120	608/0.5	1.6	18.00	120	120
150	750/0.5	1.8	20.10	150	150
185	925/0.5	2.0	22.30	185	185
240	1210/0.5	2.2	25.20	240	240
300	1520/0.5	2.4	28.50	300	300

Note: Conductor as per class 5. 100 metre packing lengths as per IS:694andin bigger packing on request. Higher sizes of nominal cross sectional ares of conductor area are also available on request.
*The number and diameter of conductor strands are for reference only. Conductor resistance as per IS:8130 is the governing criteria The above data is indicative and may be revised without prior intimation.

Construction:-
Conductor : Plain annealed copper conductor as per IS:8130
Insulation : Primary-Natural PVC Type A
Colour : As per IS:694
Any other colour on specific request can also be supplied. Subject to economical run.