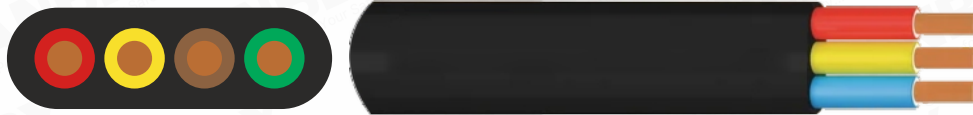


PVC 3 & 4 CORE SUBMERSIBLE FLAT CABLE



Kanbery Cable Code - SUBMERSIBLE FLAT-KAN

APPLICATIONS

These cables are designed for residential and commercial infrastructure. They serve as the connecting medium in power and control panels, cabinets & switchgears. They can also be used for the purposes such as stationary and static appliances, motors and for other single phase and three phase connections.

CHARACTERISTICS

Voltage Rating

1100V AC

Temperature Rating

-15°C to +70°C

Minimum Bending Radius

Fixed: 6 x overall diameter

CONSTRUCTION

Conductor

class 5 Copper conductor
As per IS 8130

Insulation

Type A PVC As per IS 5831

Sheath

PVC Type ST-1, ST-2 As per IS 5831

Core identification

3 core: ● Red ● Yellow ● Blue
● Brown ● Blue ● Black

4 core: ● Red ● Yellow ● Blue ● Green
● Brown ● Blue ● Black ● Yellow

Sheath Colour

● Black

Note : (Any other Colour on specific request can also be supplied)

STANDARDS

IS 8130 : 2013,
IS 5831 : 1984,
IEC 60332-1-2
IEC 60227

Flame Retardant According

IS 694 : 2010, IEC 60332-1-2

Conductor Resistance - IS 8130

Insulation Resistance - IS 5831 : 1984

THE CABLE LAB

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable

operations at: www.kanberycable.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable is compliant with European regulation EN 50575 and Bureau of Indian Standards, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab as meeting the requirements of the BSI RoHS Trusted Kitemark™.



DIMENSIONS

PVC 3 & 4 CORE FLAT CABLE FOR
SUBMERSIBLE PUMPS (1100 VOLTS) As Per ISI 694:2010

Conductor		PVC Insulation		PVC Sheath						Conductor Resistance at 20°C (Max) ohms/km	Current Rating at 40°C Amps.
Nominal Size in	Nos. & Dia of Wire	Nominal Thickness	Nominal Core Dia.	3 CORE			4 CORE				
				Nominal Thickness	Approx. Overall Dimensions		Nominal Thickness	Approx. Overall Dimensions			
Sq. mm.	Nos./mm	mm	mm	mm	Height mm	Width mm	mm	Height mm	Width mm		
1.50	22/0.30	0.80	2.95	1.15	5.45	11.30	1.30	6.20	15.80	13.30	16
2.50	36/0.30	0.90	3.50	1.15	6.40	13.50	1.30	6.40	18.00	7.98	22
4.00	56/0.30	1.00	4.00	1.15	6.90	15.20	1.45	7.40	21.00	4.95	29
6.00	84/0.30	1.00	5.10	1.15	8.25	18.20	1.50	8.00	24.50	3.30	37
10.00	140/0.30	1.00	6.30	1.40	9.90	23.70	1.80	9.90	29.70	1.91	51
16.00	224/0.30	1.00	8.00	1.40	11.80	28.00	1.95	11.80	36.00	1.21	68
25.00	350/0.30	1.20	10.10	2.00	14.70	35.50	2.00	14.70	45.10	0.780	86
35.00	490/0.30	1.20	11.30	2.00	16.80	39.50	2.00	16.80	50.10	0.554	110

Derating factors : Derating Factor for variation in ambient temperature

Ambient Temperature °C	35°C	40°C	50°C	60°C	70°C
Derating Factor	1.04	1	0.82	0.57	0.4