

PVC INDUSTRIAL CABLES



Kanbery Cable Code - **PVC INDUSTRIAL-KAN**

APPLICATIONS

Power wiring to appliance Sockets, Machineries, Industrial lighting. Penal boards. Batteries, D.C. Power Transfer etc.

CHARACTERISTICS

Voltage Rating

Up to and including 1100V

Temperature Rating

Fixed : -15°C to +70°C

Minimum Bending Radius

Fixed : 15 X Overall Diameter

CONSTRUCTION

Conductor

Annealed stranded or bunched copper conductor
As per IS 8130, class-1,2,5,6

Insulation

Insulated with Specially formulattd PVC type - A
(Five-Retardant) HR / FR / FRLS / ZHFR also available for request

Insulation resistance

Min. 10 MΩ x km

Core identification

core: ● Green / Yellow ● Red ● Yellow
● Blue ● Black ● Green ○ White

Packing : 90 mtr., 100 mtr., 500 mtr., 1000 mtr. also available.

STANDARDS

IS 8130 : 2013 IS 694 : 2010
IS 5831 : 1984 Flame Retardant according to IEC 60332-1

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-team 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 Buro Of Indian Std, 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 Single Core Industrial Flexible Cable up to 1100V

Nominal cross sectional area of conductor	Number/ Nominal dia of strands	Nominal Insulation Thickness	Max. Overall Diameter	Max. conductor resistance at 20 °C	Current Rating
sq.mm	mm	mm	mm	ohms / km	Amps
0.50	16/0.20	0.60	2.60	39.0	6
0.75	24/0.20	0.60	2.80	26.0	9
1.00	32/0.20	0.60	3.00	19.5	14
1.50	30/0.25	0.60	3.40	13.3	18
2.50	50/0.25	0.70	4.10	7.98	24
4.00	56/0.30	0.80	4.80	4.95	32
6.00	84/0.30	0.80	5.30	3.30	42
10.00	140/0.30	1.00	7.00	1.91	55
16.00	224/0.30	1.00	8.10	1.21	75
25.00	350/0.30	1.20	10.20	0.78	100
35.00	490/0.30	1.40	11.70	0.554	125
50.00	703/0.30	1.40	13.90	0.386	165
70.00	988/0.30	1.40	16.00	0.272	240
95.00	1349/0.30	1.60	18.20	0.206	300

- All are class 5 conductor
- HR/FR/FRLS-H/ZHFR insulation is also available as per customer requirements

De. Rating factors for variation in ambient temperature

Ambient Temperature °C	35 °C	40 °C	45 °C	50 °C	55 °C	60 °C	65 °C
De. Rating Factor	1.08	1	0.91	0.82	0.7	0.57	0.4