

PVC INSULATED MULTICORE ROUND CABLES



Kanbery Cable Code - MULTICORE-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

650 / 1100V

Temperature Rating

-15°C to +70°C

Minimum Bending Radius

Fixed: 6 x overall diameter

CONSTRUCTION

Conductor

Class 2 / class 5 Flexible
copper conductor As per IS 8130

Insulation

PVC (Polyvinyl Chloride) Type A to IS 5831

Sheath

PVC 5T1 to IS 5831

Core identification

2 core: ● Red ● Black

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

4 core: ● Red ● Yellow ● Blue ● Green
● Brown ● Blue ● Black ● Yellow
● Green Line ● Green with Yellow line

Sheath Colour

● Black

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

CABLE THIRD PARTY ACCREDITATION

We are Design and confirmed
by bodyline BASIC and ISI

STANDARDS

IS 8130:2013 | IEC 60228

IS 5831:1984

IS 10810:53 | 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-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

Nominal cross sectional area of conductor	Number/ Nominal dia of strands	Nominal Insulation Thickness	Nominal Sheath Thickness / mm			Max. Overall Diameter in mm			Max. conductor resistance at 20 °C	Current Rating
			2 core	3 core	4 core	2 core	3 core	4 core		
Sq. mm.	mm	mm	2 core	3 core	4 core	2 core	3 core	4 core	ohms / km	Amps
0.50	16/0.20	0.60	0.90	0.90	0.90	6.10	6.40	6.90	39.00	6
0.75	24/0.20	0.60	0.90	0.90	0.90	6.50	6.80	7.40	26.00	9
1.00	32/0.20	0.60	0.90	0.90	0.90	6.70	7.10	7.70	19.50	14
1.50	30/0.25	0.60	0.90	0.90	1.00	7.20	7.70	8.50	13.30	18
2.50	50/0.25	0.70	1.00	1.00	1.00	8.80	9.35	10.25	7.98	24
4.00	56/0.30	0.80	1.00	1.00	1.00	9.90	10.50	11.50	4.95	32
6.00	84/0.30	0.80	1.10	1.20	1.20	11.80	12.70	13.80	3.30	33
10.00	140/0.30	1.00	1.30	1.40	1.40	14.80	15.90	17.50	1.91	45
16.00	224/0.30	1.00	1.40	1.40	1.40	17.00	18.35	20.50	1.21	60
25.00	350/0.30	1.20	1.40	1.50	1.60	20.50	22.20	25.50	0.78	75
35.00	490/0.30	1.20	1.60	1.60	1.70	23.20	25.30	28.00	0.554	95
50.00	703/0.30	1.40	2.00	2.00	2.00	26.60	29.10	32.50	0.386	125

Table 01 : Electrical Parameters on flexible multicore cables IS 694 : 2010

Cross sectional Ares mm ²	0.5	0.75	1.00	1.50	2.50	4.00
Twin core Amps	3.50	6.50	11.00	13.00	18.00	24.00
Three core Amps	3.00	5.00	9.00	11.00	14.00	18.00
Four core Amps	2.50	4.5	8.00	10.00	13.00	17.00

Table 02 : Electrical Parameters on flexible multicore cables IS 694 : 2010

Cross sectional Ares mm ²	6.00	10.00	16.00	25.00	35.00	50.00
Twin core Amps	32.00	42.00	56.00	72.00	92.00	124.00
Three core Amps	24.00	32.00	43.00	56.00	71.00	97.00
Four core Amps	23.00	30.00	39.00	52.00	66.00	90.00

Rating factors for variation in ambient temperature

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