

## ALUMINIUM UNARMoured CABLE



### Kanbery Cable Code - **ALUMINIUM UNARMoured-KAN**

#### APPLICATIONS

Power cables for energy supply are installed in open air, in underground, in water, in concrete, indoors, in cable ducts, power stations, for industry and distribution boards as well as in subscriber networks, where mechanical damages are not be expected.

#### CHARACTERISTICS

##### Voltage Rating

Up to and including 1100V

##### Temperature Rating

Fixed : -15°C to +70°C

##### Minimum Bending Radius

Singal Core : 15 X Overall Diameter

Multi Core : 12 X Overall Diameter

#### CONSTRUCTION

##### Conductor

Aluminium Conductor Class-1 or Class-2 to BS 6360, IEC 60228, IS 8130

##### Insulation

Specially formulated PVC compound As per IS 5831 Type - A

##### Inner Sheath

Sheathed with PVC Compound

##### Outer Sheath

Sheathed with PVC Type ST-1, or ST-2 to IS 5831

#### Core identification

2 Core : ● Red ● Blue  
3 Core : ● Red ● Yellow ● Blue  
4 Core : ● Red ● Yellow ● Blue ● Black

#### STANDARDS

IS 5831 : 1984 IS 694 : 2010  
IS 8130 : 2013 IEC 60228

#### 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](http://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

### ALUMINIUM UNARMoured ROUND CABLE 1100 V

Conductor		PVC Insulation		Total Thickness Of Double PVC Sheath				Conductor Resistance at 20°C (Max) ohms/km	Current Rating at 40°C Amps.
				3 CORE		4 CORE			
Nominal Size in	Nos. & Dia of Wire	Nominal Thickness	Nominal Core Dia.	Sheath Thickness	Approx. Overall Dimensions	Sheath Thickness	Approx. Overall Dimensions		
Sq. mm.	Nos./mm	mm	mm	mm	mm	mm	mm		
4.00	1/2.25	0.80	3.80	1.30	11.40	1.40	12.85	7.41	23
6.00	1/2.76	0.80	4.50	1.40	12.45	1.40	14.50	4.61	30
10.00	1/3.57	1.00	5.50	1.50	14.40	1.60	16.00	3.08	40
16.00	1/4.50	1.00	6.70	1.60	17.50	1.60	20.40	1.91	51
25.00	1/5.65	1.20	8.00	1.70	20.50	1.80	23.00	1.20	70
35.00	1/6.68	1.20	9.40	1.80	23.75	1.90	27.30	0.868	86

#### De. Rating factors for variation in ambient temperature

Ambient Temperature °C	25°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C
De. Rating Factor	1.14	1.10	1.05	1.00	0.95	0.89	0.84	0.77