

ALUMINIUM TWIN FLAT SERVICE 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

Fixed : 12 X Overall Diameter

Occasional : 10 X Overall Diameter

CONSTRUCTION

Conductor

Solid Aluminium Conductor As par IS 8130

Insulation

Insulated with Specially formulated PVC
Type - A To IS 5831

Inner Sheath

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

Sheath Color

● Yellow ● Black

will make it as per your requirement

Core identification

● Red ● Black

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

STANDARDS

IS 8130 : 2013

IS 5831 : 1985

IS 694 : 2010

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

ALUMINIUM TWIN FLAT CABLE 1100 V

Conductor		PVC Insulation		Total Thickness Of 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.	Sheath Thickness	Approx. Overall Dimensions			
Sq. mm.	Nos./mm	mm	mm		Height	Width		
					mm	mm		
2.50	1/1.78	0.70	3.30	1.00	6.60	10.50	12.10	18
4.00	1/2.24	0.80	3.80	1.00	7.40	12.00	7.41	23
6.00	1/2.76	0.80	4.50	1.10	8.00	13.00	4.61	30
10.00	1/3.57	1.00	5.30	1.40	9.60	16.00	3.08	40

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